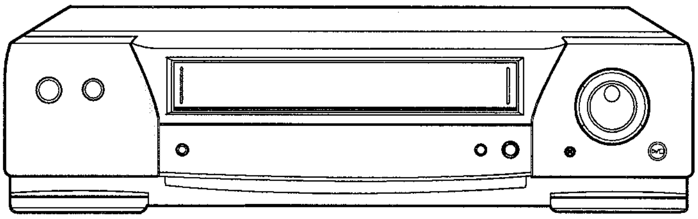
1997

MITSUBISHI

Service Manual

VIDEO CASSETTE RECORDER

VHS
PAL



MODEL
HS-761V(B)
HS-761V(E)
HS-761V(GY)
HS-761V(IR)

Only cassettes marked VHS can be used with this video cassette recorder.

SPECIFICATIONS

Tape Format : VHS 1/2" high-density video cassette tape
Power Source : AC 230V ; 50Hz
Power Consumption : Approx. 25W
Television System : 625lines, 50fields
System CCIR B&G PAL [E, GY]
System CCIR I PAL [B, IR]
Video Recording System : Azimuth helical scanning system
Luminance : Frequency modulation recording
Colour Signal : Low frequency conversion subcarrier phase shift recording
Hi-Fi Audio Recording System : Azimuth helical scanning system, Frequency modulation, deep layer recording
Linear Audio Track : 1 track
Tape Speed : 23.39mm/sec (PAL SP mode)
11.70mm/sec (PAL LP mode)
Record/Playback Time : 240min. with E-240 cassette (PAL SP mode)
480min. with E-240 cassette (PAL LP mode)
Heads: Video : 4 rotary heads
Hi-Fi Audio : 2 rotary heads
Audio/Control : 1 stationary head
Erase : 1 full track head
Video Input : 0.5 to 2.0Vp-p, 75Ω unbalanced EURO AV socket
Audio Input : –8dBs, 10kΩ unbalanced EURO AV socket
Video Output : 1.0Vp-p, 75Ω unbalanced EURO AV socket
Audio Output : –8dBs, 1kΩ unbalanced EURO AV socket
TV Tuner VHF : 47~68MHz,174~230MHz
44.5~68.5MHz,174~222MHz[IR]
UHF : 470~862MHz
CATV : 47~103MHz, 104~300MHz, 302~470MHz
Operating Temperature : 5°C to 40°C
Relative Humidity : 30% to 80%
RF Channel Output : Set to Channel 68 [B]
Set to Channel 36 [E, GY]
Set to Channel 38 [IR]
(Channel 22~69 selectable) [B]
(Channel 32~40 selectable) [E, GY, IR]
Weight : Approx. 4.3kg
Dimensions : 380 (W) × 92 (H) × 303 (D)mm
Timer : 8 programmes for any channels in one month/every day/every week day
24 hour digital synchronized with oscillator frequency.
Channel Selection : 60 position Up/Down + EXT
Deck : U Deck

- Weight and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

MITSUBISHI ELECTRIC

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4. DECK ASSEMBLY

DISASSEMBLY

1. Removal of Top Cover

1 Remove the four Top Cover fastening screws (ⓐ, ⓑ, ⓒ and ⓓ) shown in Fig. 1 and remove the Top Cover in the direction shown by the arrow.

2. Removal of Front Panel

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Jog Dial and the Shuttle Ring.
3 Unfasten the seven catches (ⓔ ~ ⓚ) shown in Fig. 1 and remove the Front Panel in the direction shown by the arrows.
4 Disconnect connector MK shown in Fig. 1.

Note : Before installing the Front Panel, make sure that the lever is on the lower position. Push the cassette door open and install it.

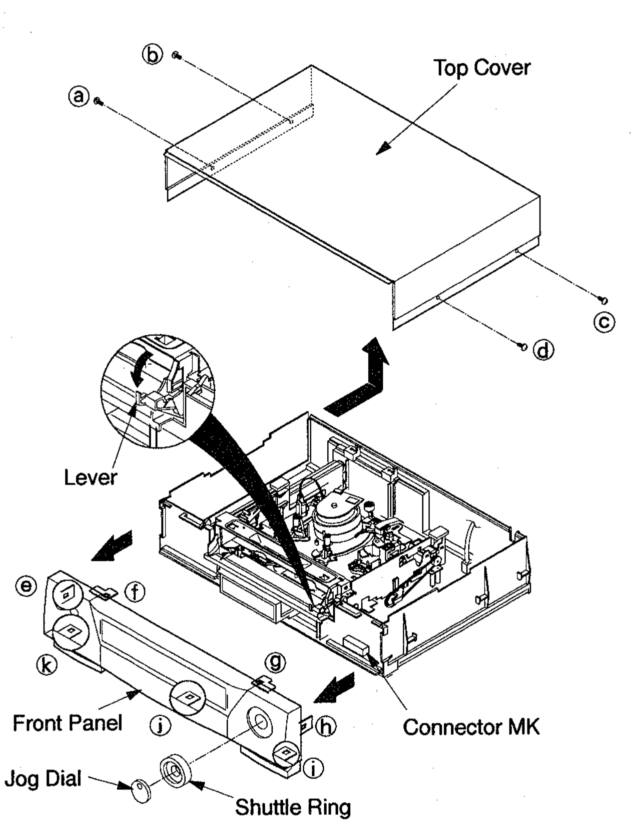


Fig. 1

3. Removal of Bottom Panel

1 Turn the set upside down as shown in Fig. 2.
2 Remove the two fastening screws (ⓐ and ⓑ) shown in Fig. 2.
3 Push the one hook Ⓐ toward inside. Slide the Bottom Panel backward to remove it, with taking care of the four catches Ⓑ.

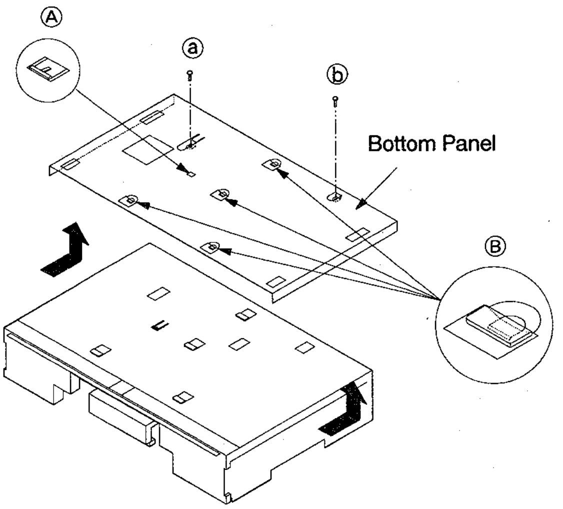


Fig. 2

4. Removal of DECK ASSY

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Remove the Bottom Panel.
(Refer to Para. 3 of the DISASSEMBLY.)
4 Remove the three screws (ⓐ, ⓑ and ⓒ) shown in Fig. 3.
5 Remove the three screws (ⓓ, ⓔ and ⓕ) shown in Fig. 4 and raise the Shield Plate upward to remove it.
6 Remove the one screw (ⓖ) shown in Fig. 4 and remove the Ground Lead Wire.

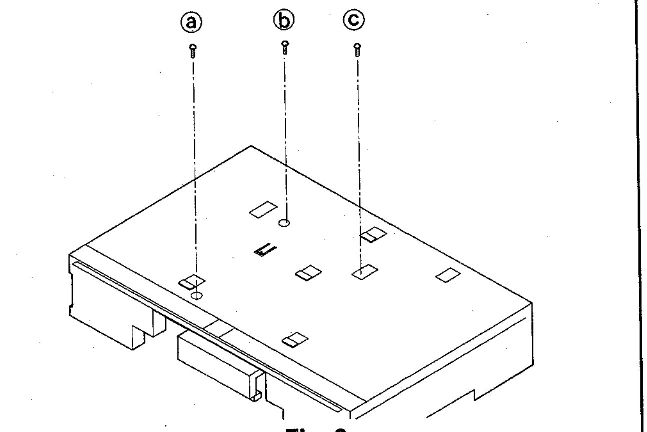


Fig. 3

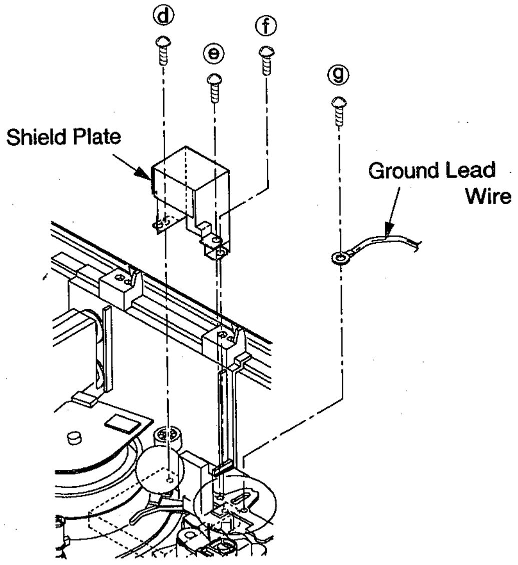


Fig. 4

7 Remove the five screws (ⓗ ~ ⓛ) shown in Fig. 5.
8 Disconnect the connectors MA, MD, MF, MH and ML.
9 Raise the DECK ASSY upward to remove it, paying attention to the connector MC placed below the DECK ASSY.

Note : During installation of DECK ASSY, take care of the connector DD which is apt to be removed by the side force.
Do not pull the spacer to raise the DECK ASSY.

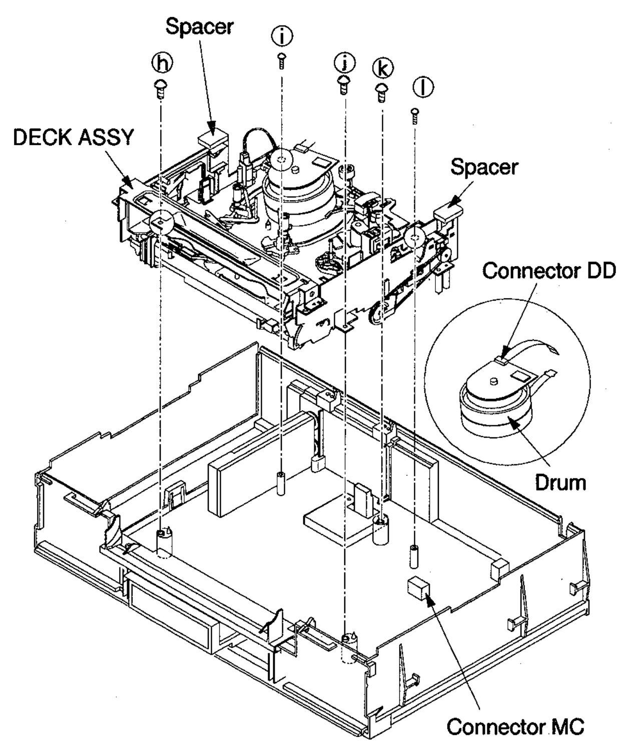

Spacer
ⓘ
ⓗ
ⓙ
ⓚ
ⓛ
DECK ASSY
Spacer
Connector DD
Drum
Connector MC

Fig. 5

5. Removal of Insert Guide

1 Remove the DECK ASSY.
(Refer to Para. 4 of the DISASSEMBLY.)
2 Remove the two screws (ⓐ and ⓑ) shown in Fig. 6.
Raise the Insert Guide upward to remove it.

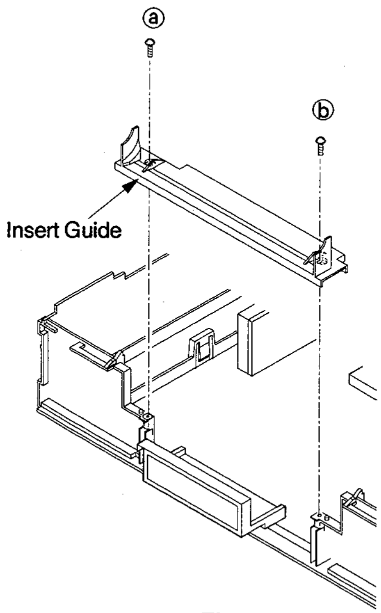

ⓐ
ⓑ
Insert Guide

Fig. 6

HOW TO EXECUTE CIRCUIT BOARD SERVICE

CAUTION: BEFORE ATTEMPTING TO REMOVE OR REPAIR ANY PCB, UNPLUG THE POWER CORD FROM THE A.C. SOURCE.

LOCATION OF PRINT CIRCUIT BOARDS

Note: Take caution when removing flat cables to prevent any contact problem.
Connect and disconnect the flat cables at right angles to the connector and make sure that it is completely secured.
After servicing the PCB, restore the flat cable and leads to their former state.

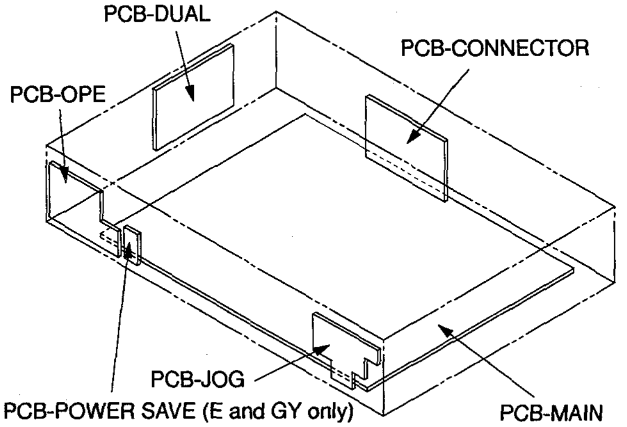

PCB-DUAL
PCB-CONNECTOR
PCB-OPE
PCB-JOG
PCB-POWER SAVE (E and GY only)
PCB-MAIN

Fig. 7

1. PCB-OPE

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Disconnect the catch (ⓐ) as shown in Fig. 8. Push the PCB-OPE down in the direction shown by the arrow Ⓐ. Pull the PCB-OPE in the direction shown by the arrow Ⓑ to remove it.

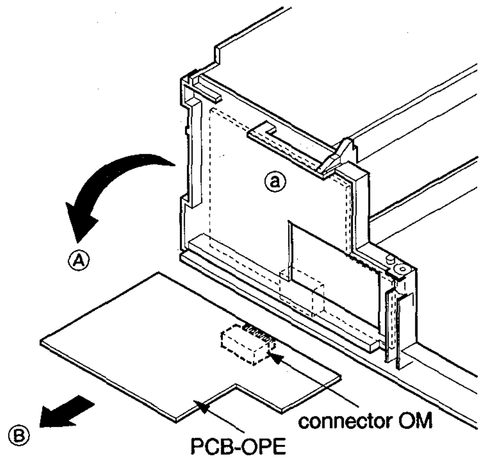

ⓐ
Ⓐ
Ⓑ
connector OM
PCB-OPE

Fig. 8

2. PCB-POWER SAVE (E and GY only)

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Disconnect connector PN and unscrew the screw (ⓐ) as shown in Fig. 9 to remove the PCB-POWER SAVE in the direction shown by the arrow.

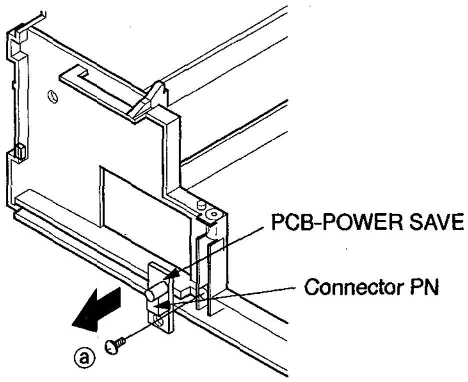

PCB-POWER SAVE
Connector PN
ⓐ

Fig. 9

3. PCB-JOG

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Remove the three PCB-JOG fastening screws (ⓐ, ⓑ and ⓒ) shown in Fig. 10 and remove the PCB-JOG.

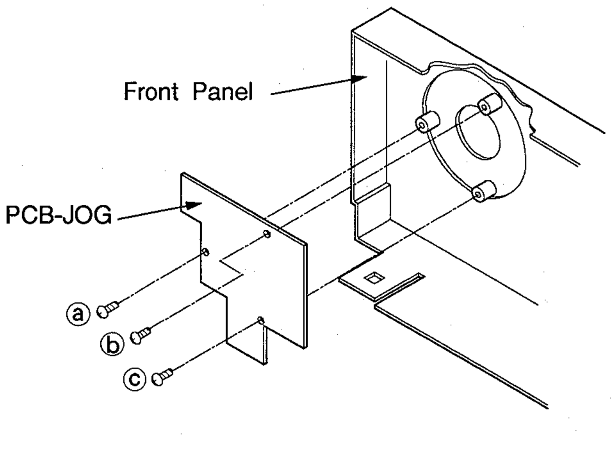

Front Panel
PCB-JOG
ⓐ
ⓑ
ⓒ

Fig. 10

4. PCB-MAIN

4-1 Removal of PCB-MAIN

1 Remove the DECK ASSY.
(Refer to Para. 4 of the DISASSEMBLY.)
2 Remove the Insert Guide.
(Refer to Para. 5 of the DISASSEMBLY.)
3 Remove the two screws (ⓐ and ⓑ) shown in Fig. 11.
4 Remove the holder for the AC power cord from the Base Chassis shown in Fig. 12.

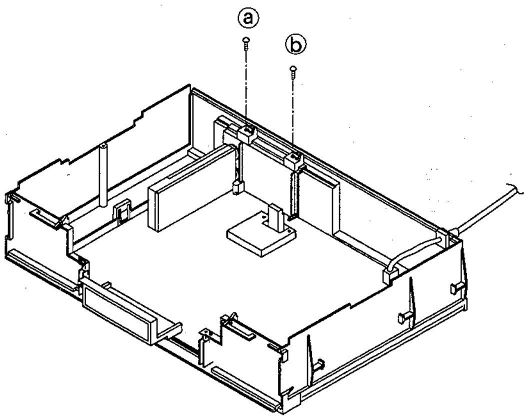


Fig. 11

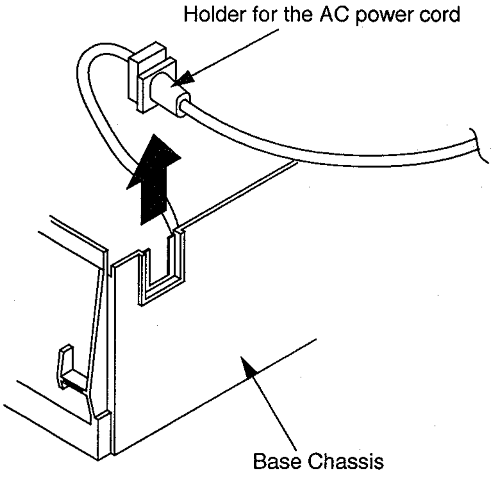
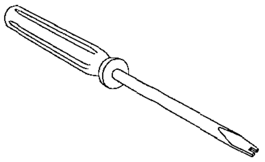
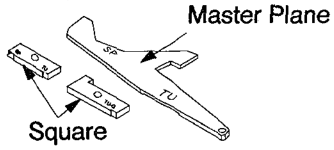
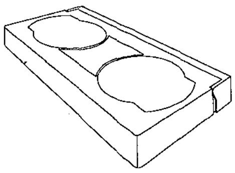
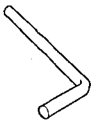
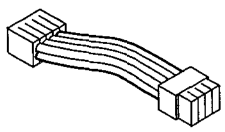
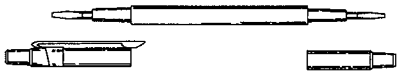
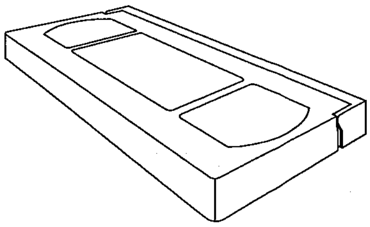

Holder for the AC power cord
Base Chassis

Fig. 12

MECHANICAL ADJUSTMENT TOOLS

	PURPOSE	METHOD
Adjustment Driver **(859C259080)** 	For adjustment of guide rollers.	Carefully insert and adjust guide rollers.
Height adjusting Jig • **Master Plane** **(859C342020)** • **Square** **(859C433060)** 	The master plane and the square are used for measuring height and perpendicularity of the reel disk and Take up guide arm.	The gauge is applied to the part being measured.
Back Tension Gauge **(859C345080)** 	The back tension gauge is used for measuring the tension of the tape on the supply side.	Load this gauge in the cassette housing and run in the play mode. Read the gauge indicator.
Cotton gloves	For changing, cleaning and handling of drum, heads and guides.	Use when handling all parts in the tape path.
Grease **MULTEMP SH-A** **(859D055080)**	Lubrication of various parts.	To be applied as specified.
L SHARPED BOX DRIVER **(859C433070)** 	The L SHARPED BOX DRIVER is used for tightening or removing screws which fasten the guide rollers.	Insert the screw and turn.
Extension Cable **(859C433080)** 	For check of DECK operation.	Connect the MC connector and the CAPSTAN MOTOR.
Oil **FLOIL** **(859D154020)**	Lubrication of various parts.	To be applied as specified.

ELECTRICAL ADJUSTMENT TOOLS

	PURPOSE	METHOD
Adjustment Driver **(859C338000)** **767-M** 	The adjustment driver is intended to adjust variable resistors, trimmers, transformers etc. in the circuitry.	Select a tip suitable for the particular head of the component concerned and adjust.
Alignment Tape **(PS2 : 859C339010)** **(PM6KH3 : 859C339030)** **(PM3KE6(CH1) 25 : 859C568050)** **(PMX : 859C568070)** 	Standard signals (VHS Standard) are recorded on the alignment tape and reproduced when required in the adjustment of Servo circuit and interchangeability alignment.	Install and run in the play mode, the same as for an ordinary tape.

DECK OPERATION CHECK

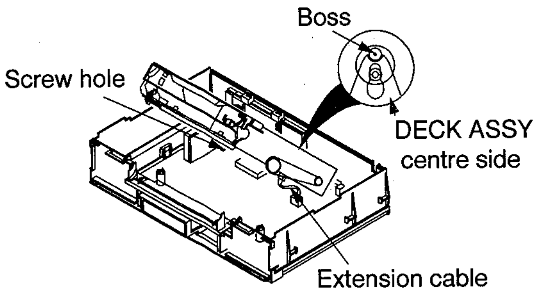


Fig. 1

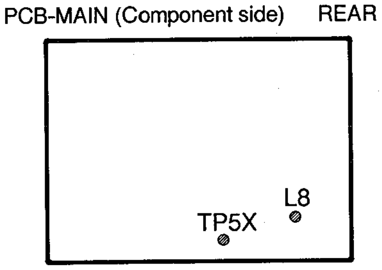


Fig. 2

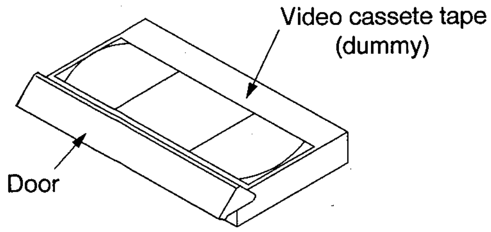


Fig. 3

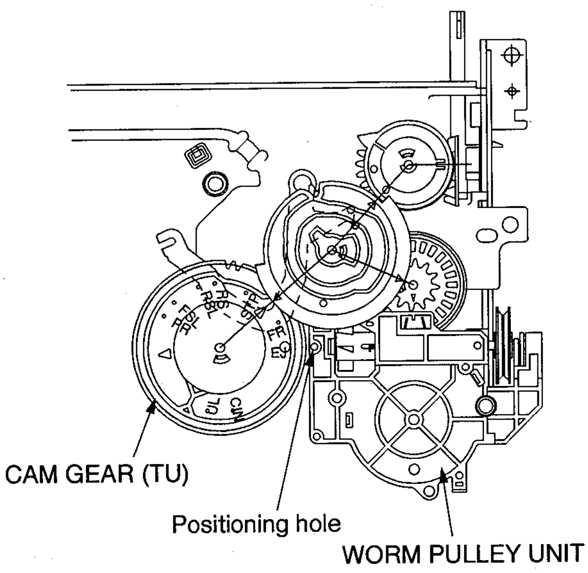


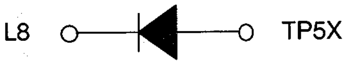
Fig. 4

Operation of the deck position and tape running systems can be checked according to the following method.

1. Unscrew all screws fastening the DECK ASSY and Shield Case.
2. Place the DECK ASSY on the Base Chassis so that the centre of the rear side aligns with the boss and that the rear side of the supply side aligns with the screw hole as shown in Fig. 1. Raise the front side of the DECK ASSY and hold it with a support.

Note : The MODE DETECT SENSOR, START SENSOR, END SENSOR, REEL SENSOR and RECORD PROTECTION SENSOR cannot operate in this state. Parts on the DECK (LOADING BELT and REEL BELT) can be replaced.

3. Connect L8 and TP5X via diode (1SS252) as shown in below.



Note : Connect them before plugging in the set.

4. Insert the power cord into the receptacle.
5. Insert the video cassette tape.

Note : This check may damage the cassette tape. Use a dummy cassette tape with a door or other tapes for check purpose only.

6. Press the Jog + and Jog - buttons on the remote hand unit to check the deck position.

Jog + button	: Operation in the loading direction.
Jog - button	: Operation in the unloading direction.

7. Connect the MC connector and the CAPSTAN MOTOR on the PCB-MAIN with the Extension cable (859C433080). Press the FF and REW buttons on the remote hand unit to check the operation of the tape running system.

Note : Take care so that the two connectors of the Extension cable are attached in the same direction,without twisting the cable.

FF button	: Forward rotation is implemented.
REW button	: Reverse rotation is implemented.

- Example: Playback, REW/FF

1. Press the Jog + or Jog - button to align the character PR or FR of the CAM GEAR (TU) with the positioning hole of the WORM PULLEY UNIT shown in Fig. 4.

PR	: Playback position
FR	: REW/FF position

2. For fast forward operation check, press the FF button on the remote hand unit to make the CAPSTAN MOTOR rotate in the forward direction. For rewind operation check, press the REW button on the remote hand unit to make the CAPSTAN MOTOR rotate in the reverse direction.

Electrical Adjustments

Perform only the alignments required. If proper equipment is not available,do not attempt an alignment.

☐PRE-ADJUSTMENT SETTINGS

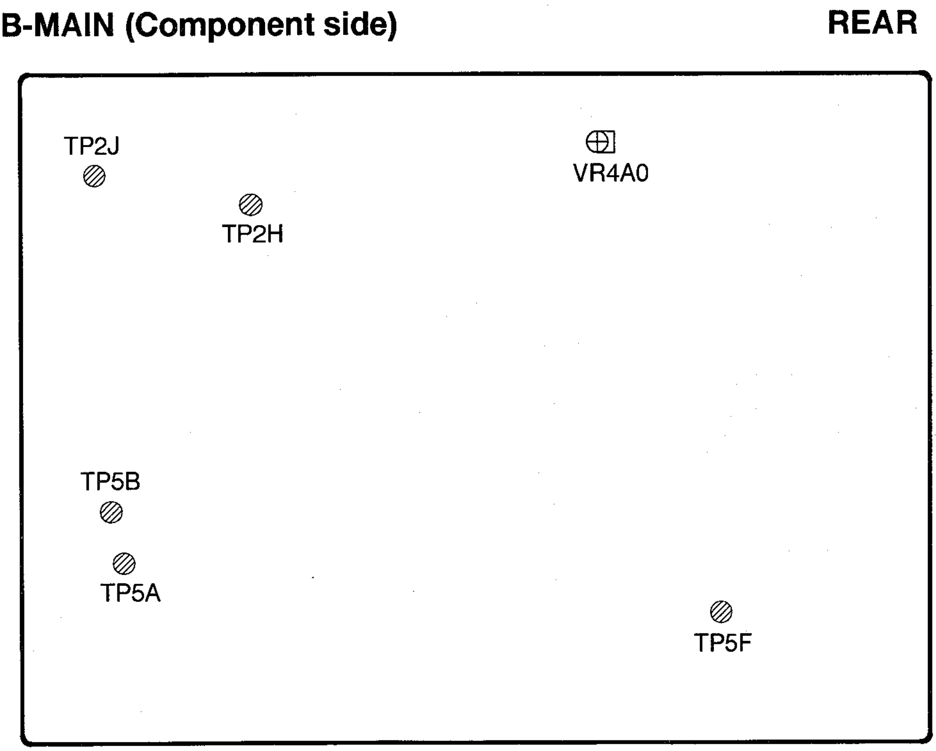
- Set the "COLOUR SYSTEM" to "PAL" mode in the MENU. [B, E, IR]
- Set the "FARBNORM" to "PAL" mode in the MENU. [GY]
- Set the "SYSTEMA" to "PAL" mode in the MENU. [GY]
- Set the "NICAM" to "OFF" mode in the MENU. [B, IR]
- Set the "NICAM/A2" to "OFF" mode in the MENU. [E]
- Set the "STEREO/2-TON" to "OFF" mode in the MENU. [GY]
- Set the "STEREO/DUALE" to "OFF" mode in the MENU. [GY]
- Set the "SHARPNESS" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [B, E, IR]
- Set the "SCHAREFE" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "DEFINIZ" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "TAPE OPTIMIZER" to "OFF" mode in the EXCELLENT PICTURE of the MENU. [B, E, GY, IR]
- Set the "TAPE OPTIMIZER" to "AUS" mode in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "RENTAL PB" to "OFF" mode in the INITIAL SET-UP of the MENU. [B, E, IR]
- Set the "FUNZIONE RENTAL" to "OFF" mode in the SISTEMAZIONE INIZIALE of the MENU. [GY]
- Set the "AUDIO MIX" to "OFF" mode in the MENU.
- Set the "AUDIO MIX" to "AUS" mode in the MENU. [GY]
- Set the "REC-LEVEL-VR(L-CH, R-CH)" to centre click position. [B, GY]

☐MEASURING EQUIPMENT

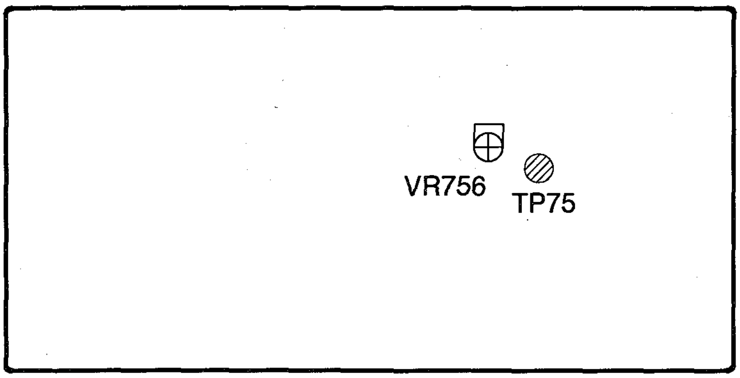
- Oscilloscope (10:1 probe unless 1:1 specified.)
- Frequency counter
- Electrical tools

LOCATIONS

PCB-MAIN (Component side)



PCB-DUAL (Component side) **TOP**

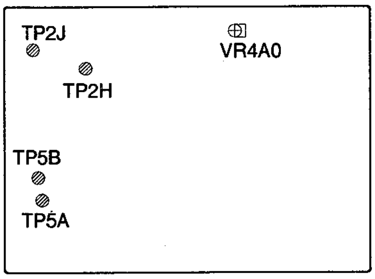


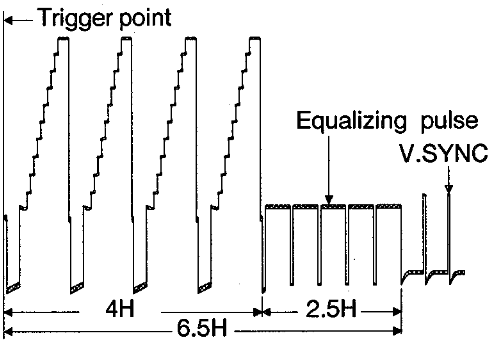
[Servo circuit] 1. Playback Switching Point	**Adjustment purpose**	Video switch over timing during playback.
	Symptom when incorrectly adjusted	Switching noise or jitter in the playback picture.

Measuring instrument and condition		**VCR set up condition**	
Oscilloscope		**Input signal**	---
Test point	TP2J	**Using tape**	Alignment tape (PS2, stair step)
EXT trigger	TP2H	**VCR condition**	Playback
Measurement range	DIV 20mV TIM 50µs	**Using Jig**	---

1. Playback an alignment tape (PS2, stair step).
2. Short-circuit TP5A to TP5B. Confirm that the "D" displayed in Fluorescent Display flashes fast.
3. Observe the waveform at TP2J.
4. Set the oscilloscope's slope to (–).
5. Adjust VR4A0 so that the trigger point is located at 6.5±1.0H before the vertical synchronizing signal.
6. Open-circuit TP5A to TP5B.

PCB-MAIN (Component side)



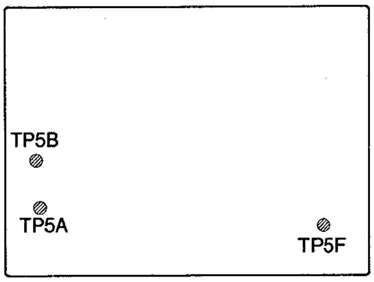


[Timer circuit] 2. Clock Frequency Correction	**Adjustment purpose**	To set the accuracy of clock.
	Symptom when incorrectly adjusted	Poor clock accuracy.

Measuring instrument and condition		**VCR set up condition**	
Frequency Counter		**Input signal**	---
Test point	TP5F	**Using tape**	---
EXT trigger	---	**VCR condition**	POWER off
Measurement range	---	**Using Jig**	---

1. Set the VCR to POWER off.
   (With the tape ejected from VCR.)
2. Short-circuit TP5A to TP5B.
3. Observe the frequency at TP5F.
4. Be certain that the frequency is between 262.1000 ~ 262.1882kHz.
5. Use the number buttons on the remote hand unit to enter the last three digits of the frequency counter reading (262.1ⓐⓑⓒkHz).
   (Confirm that the " • " is not displayed in fluorescent display.)
   Enter the digits in ⓐⓑⓒ sequence.
6. Push the REC button on the remote hand unit.
   (Confirm that the " • " is displayed in fluorescent display.)
7. Open-circuit TP5A to TP5B.

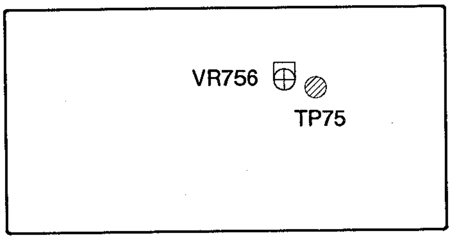
PCB-MAIN (Component side)



[Dual Audio circuit] 3. Channel Separation ([E, GY] only)	**Adjustment purpose**	Positioning of audio separation.
	Symptom when incorrectly adjusted	Mixing audio separation.

Measuring instrument and condition		**VCR set up condition**	
Oscilloscope		**Input signal**	RF signal (Stereo sound)
Test point	TP75	**Using tape**	---
EXT trigger	---	**VCR condition**	STOP
Measurement range	DIV 20mV TIM 2ms	**Using Jig**	---

PCB-DUAL (Component side)

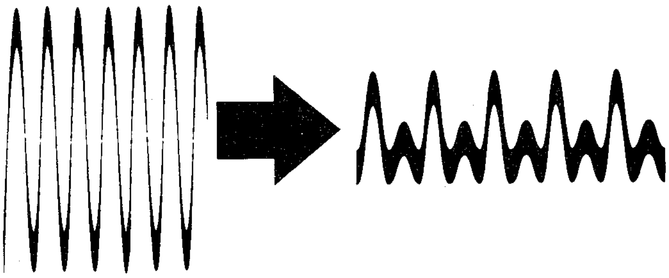


1. Supply an RF signal.

PILOT	50% AM MODULATION
RIGHT CH	1kHz,100% FM MODULATION
LEFT CH	NO MODULATION
RF INPUT	70dBμ(75Ω LOAD)

2. Set the VCR to STEREO mode.
3. Set the VCR to TUNER mode.
4. Observe the waveform at TP75.
5. Adjust VR756 so that the audio output signal at L-CH is minimum.

Note: This adjustment should be done precisely because it determines the separation.



MECHANICAL ADJUSTMENT AND REPLACEMENT

1. Cleaning the DECK

The following parts require cleaning whenever serviced to maintain satisfactory performance.

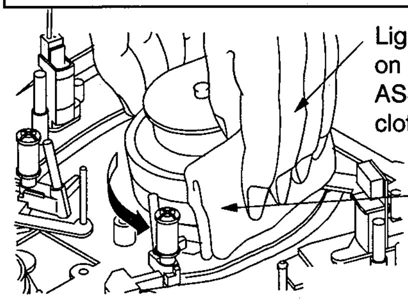
1-1 VIDEO HEAD

1. Clean the VIDEO HEADs by the following method. Dust and other foreign objects on the VIDEO HEADs disturb the normal playback picture.
   Dampen a VIDEO HEAD CLEANING CLOTH with alcohol. Hold the cloth against the DRUM and slowly turn the DRUM counte-rclockwise to clean.

Note : Do not directly touch the HEAD attached to the UPPER DRUM ASSY. The HEAD is very hard but brittle to impact, especially in the vertical direction.
Do not apply force in the vertical direction.

2. Allow residual alcohol to dry thoroughly before running a tape. Otherwise, the liquid may stick to and damage the tape.

UPPER DRUM ASSY cleaning



Lightly apply the cloth on the UPPER DRAM ASSY. Do not move the cloth.

1-2 Tape Transport (Refer to Fig. 1.)

Clean the following parts of the Tape transport.

1. TENSION PIN
2. GUIDE POLE (SP)
3. FE HEAD
4. SLANT POLE (SP)
5. UPPER/LOWER DRUM ASSY
6. SLANT POLE (TU)
7. A/C HEAD
8. GUIDE POLE (TU)
9. CAPSTAN SHAFT
10. GUIDE PIN (TU)
11. GUIDE ROLLER (SP)
12. GUIDE ROLLER (TU)
13. PINCH ROLLER
14. IMPEDANCE UNIT (SP)

1. Clean the tape transport using gauze dampened with alcohol, except the GUIDE ROLLER (SP), GUIDE ROLLER (TU) and PINCH ROLLER for which dry gauze should be used.
2. Allow residual alcohol to dry thoroughly before running a tape. Otherwise the liquid may stick to and damage the tape.

1-3 REEL DISK Drive System

1. Clean the REEL DISK braking surfaces and the REEL BELT.
2. Clean the REEL DISK drive system using gauze dampened with alcohol, except the REEL BELT for which dry gauze shall be used.
3. Allow residual alcohol to dry thoroughly before operation.

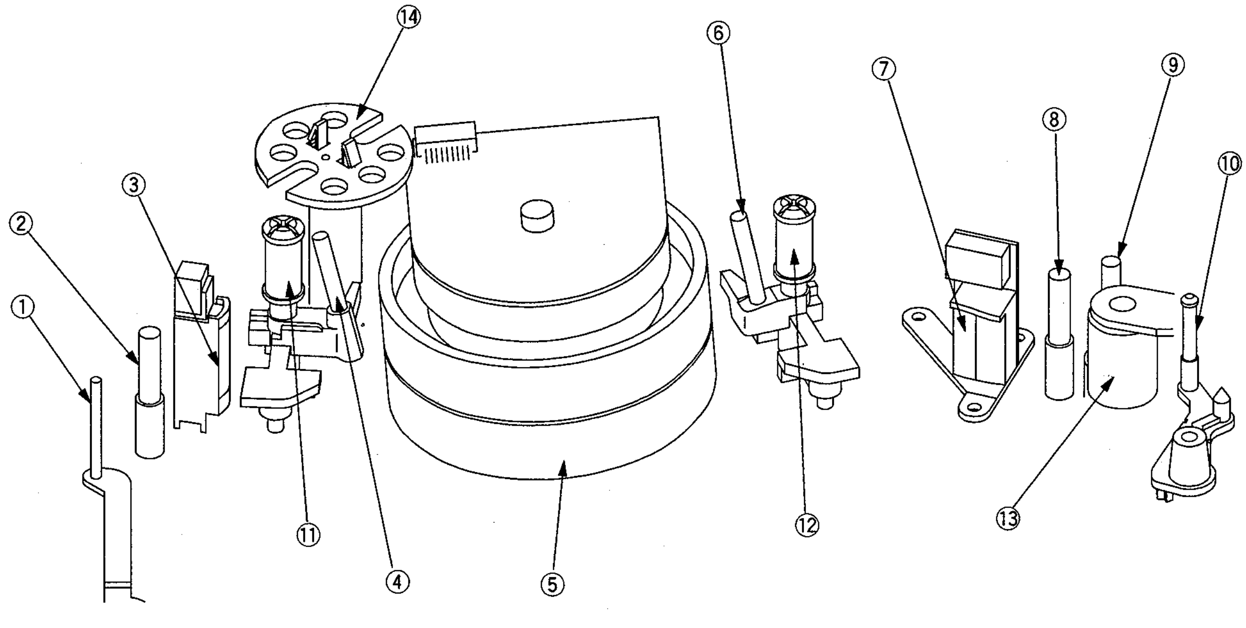


Fig. 1

2. Replacement of Major Parts

2-1 GUIDE ARM (SP), CLEANING ARM, CLEANING ROLLER UNIT

Position the set normally.

(Removal)

1 Disconnect the lead from the FE HEAD, which is clamped on the GUIDE ARM (SP) shown in Fig. 2-1.
2 Unfasten the catch (ⓐ) of the GUIDE ARM (SP) shown in Fig. 2-1 to remove the GUIDE ARM (SP).
3 Unfasten the catch (ⓑ) of the CLEANING ARM shown in Fig. 2-1 to remove the CLEANING ARM.
4 Unfasten the catch (ⓒ) of the CLEANING ARM shown in Fig. 2-1 to remove the CLEANING ROLLER UNIT from the CLEANING ARM.

(Installation)

1 Install the CLEANING ROLLER UNIT shown in Fig. 2-1 to the CLEANING ARM.
2 Install the CLEANING ARM shown in Fig. 2-1.
3 Install the GUIDE ARM (SP) shown in Fig. 2-1.
4 Connect the lead from the FE HEAD.

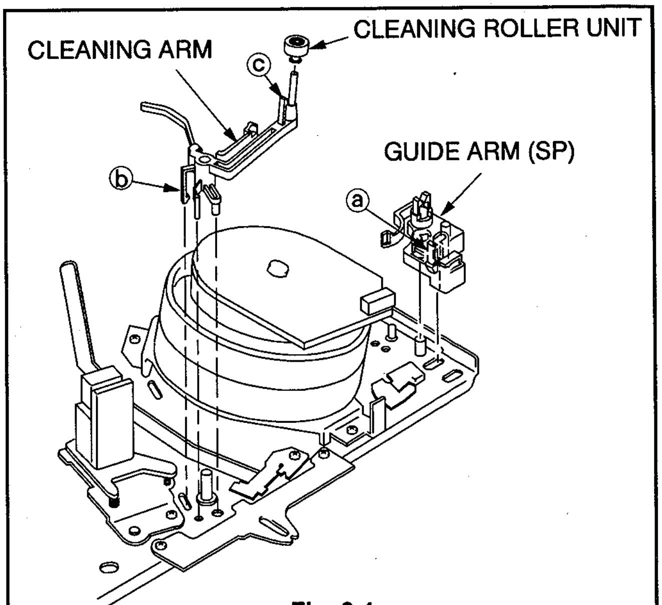


Fig. 2-1

2-2 STAY PLATE

Position the set normally.

(Removal)

1 Unfasten a LID HOLDER PLATE fastening screw (ⓐ) shown in Fig. 2-2. Remove the LID HOLDER PLATE.
2 Raise the STAY PLATE in the direction shown by arrow Ⓐ so that it stands completely in vertical as shown in Fig. 2-2. Remove the STAY PLATE in the direction shown by arrow Ⓑ.

(Installation)

1 Install the STAY PLATE and the LID HOLDER PLATE shown in Fig. 2-2.

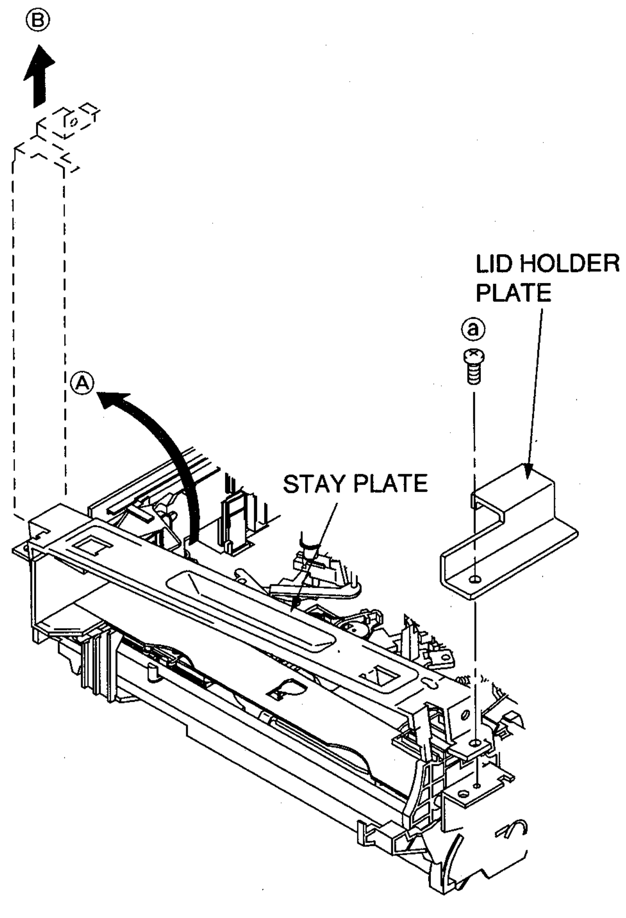


Fig. 2-2

2-3 BOTTOM UNIT

Normally place the set.

(Removal)

1 Remove the STAY PLATE . (Refer to Para. 2-2.)
2 Remove the BOTTOM UNIT in the direction shown by the arrow as shown in Fig. 2-3-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the groove of the MAIN PLATE ASSY specified in Fig. 2-3-5.
2 Apply GREASE (MULTEMP SH-A) [859D055080] to the BOTTOM UNIT specified in Fig. 2-3-5.
3 Move the LID HOOK (TU) shown in Fig. 2-3-2 in the direction shown by the arrow Ⓐ.
4 Move the LID HOOK (TU) and the LID OPENER (TU) in the direction shown by the arrow Ⓑ in Fig. 2-3-3 so that the boss of the LID HOOK (TU) shown in Fig. 2-3-2 is inserted in the matching groove on the CASSETTE HOLDER (TU).
5 Move the LID OPENER (SP) of the BOTTOM UNIT in the direction shown by arrow Ⓐ and hold it with your hand as shown in Fig. 2-3-3.
6 Insert a cassette tape in the BOTTOM UNIT shown in Fig. 2-3-3 with the LID OPENER (TU) held down with the hands.

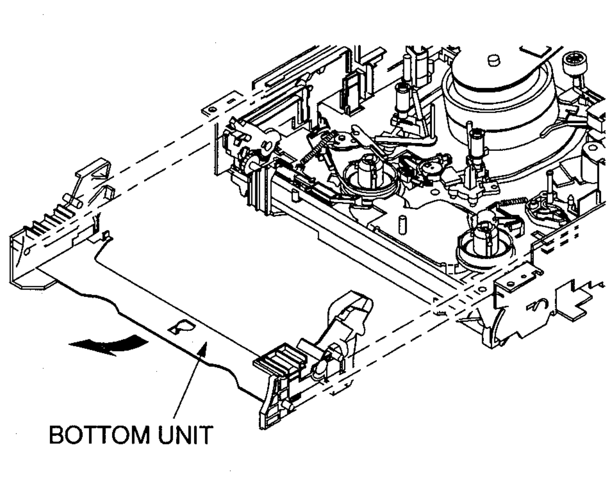

BOTTOM UNIT

Fig. 2-3-1

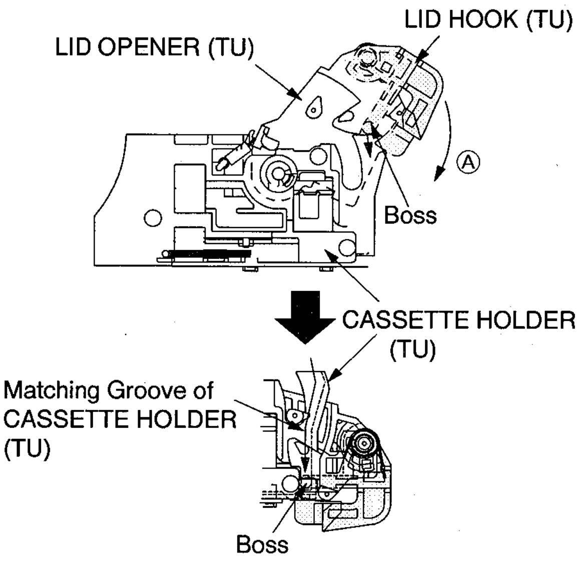

LID HOOK (TU)
LID OPENER (TU)
Ⓐ
Boss
CASSETTE HOLDER (TU)
Matching Groove of CASSETTE HOLDER (TU)
Boss

Fig. 2-3-2

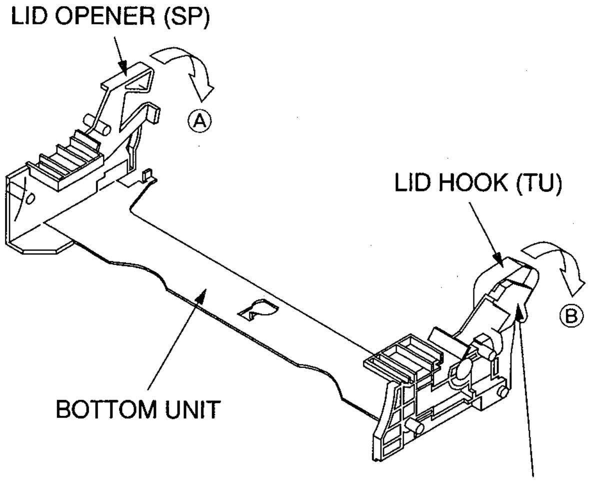

LID OPENER (SP)
Ⓐ
LID HOOK (TU)
Ⓑ
BOTTOM UNIT
LID OPENER (TU)

Fig. 2-3-3

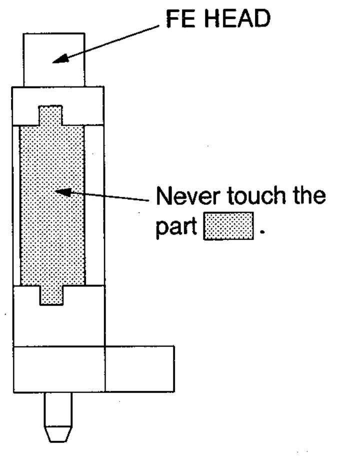

FE HEAD
Never touch the part ▨.

Fig. 2-5-2

2-6 SHUT LEVER UNIT

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) of the SHUT LEVER UNIT shown in Fig. 2-6-1 to remove the SHUT LEVER UNIT.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-6-1 on the MAIN PLATE ASSY.
2 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-6-1 on the new SHUT LEVER UNIT.
3 Install the SHUT LEVER UNIT shown in Fig. 2-6-1.
4 Insert the spring of the SHUT LEVER UNIT under groove of the MAIN PLATE ASSY shown in Fig. 2-6-2.
5 Make sure that the SHUT LEVER UNIT returns in the direction shown by arrow Ⓑ when it is moved in the direction shown by arrow Ⓐ.

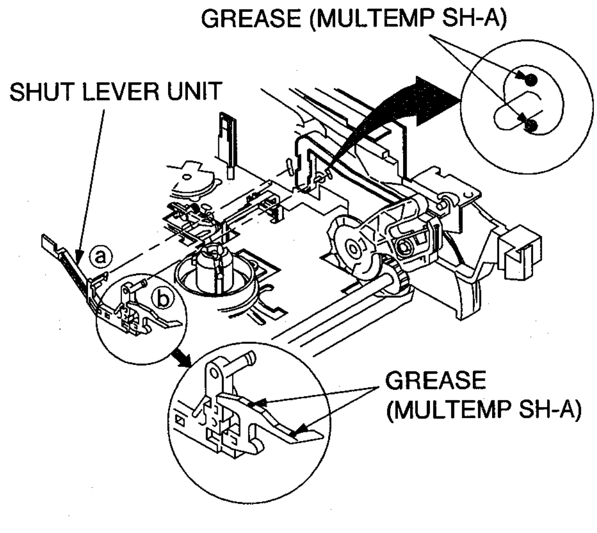

GREASE (MULTEMP SH-A)
SHUT LEVER UNIT
ⓐ
ⓑ
GREASE
(MULTEMP SH-A)

Fig. 2-6-1

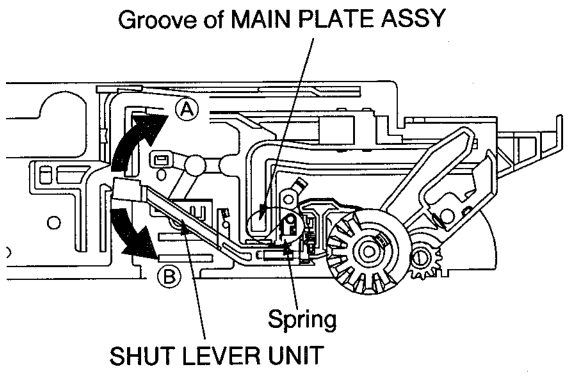

Groove of MAIN PLATE ASSY
Ⓐ
Ⓑ
Spring
SHUT LEVER UNIT

Fig. 2-6-2

2-7 LAMP GUIDE, MODE POSITION GUIDE

Position the set normally.

(Removal)

1 Unscrew the one LAMP GUIDE fastening (ⓐ) shown in Fig. 2-7-1.

2 Unfasten the catch (ⓑ) of the MAIN PLATE ASSY shown in Fig. 2-7-1 to remove the LAMP GUIDE.

3 Unfasten the catch (ⓒ) of the MODE POSITION GUIDE shown in Fig. 2-7-1 to remove the MODE POSITION GUIDE.

(Installation)

1 Clean the part A of the MODE POSITION GUIDE shown in Fig. 2-7-2 with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

2 Install the MODE POSITION GUIDE shown in Fig. 2-7-1.

3 Clean the part B of the LAMP GUIDE shown in Fig. 2-7-2 with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

4 Install the LAMP GUIDE shown in Fig. 2-7-1.

5 Install the screw (ⓐ) shown in Fig. 2-7-1.

6 After installing the LAMP GUIDE and MODE POSITION GUIDE, clean the surface of them with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

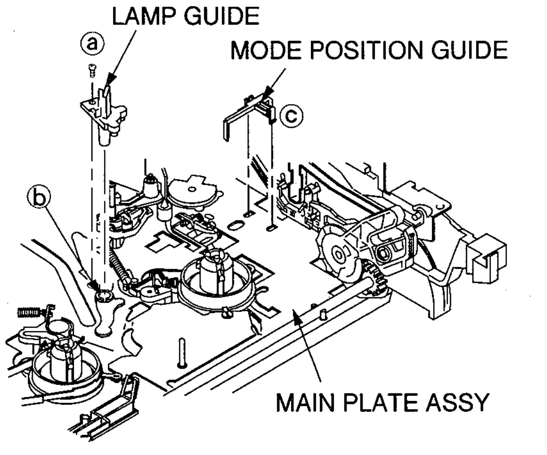


Fig. 2-7-1

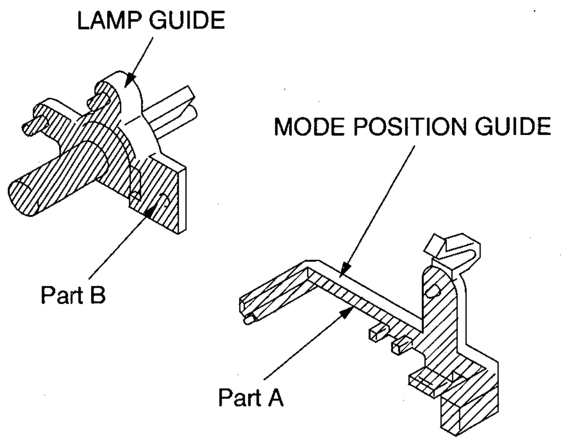


Fig. 2-7-2

2-8 TENSION SPRING, TENSION ARM, TENSION BELT UNIT

Position the set normally.

(Removal)

1 Remove the TENSION SPRING shown in Fig. 2-8-1.

2 Move the part A of the MAIN PLATE ASSY shown in Fig 2-8-3 in the direction shown by arrow Ⓐ with a minus driver, etc.

3 Unfasten the two catches (ⓐ and ⓑ) of the TENSION BELT UNIT shown in Fig. 2-8-1. Unfasten the catch (ⓒ) of the MAIN PLATE ASSY. Remove the TENSION BELT UNIT with the TENSION ARM attached.

4 Unfasten the two catches (ⓓ and ⓔ) of the TENSION BELT UNIT shown in Fig. 2-8-2 to remove the TENSION ARM .

(Installation)

1 Attach the TENSION ARM on the TENSION BELT UNIT shown in Fig. 2-8-2.

2 Fasten the TENSION BELT UNIT around the part shown in Fig. 2-8-3 of the REEL DISK (On SP side).

Note : Take care never to make GREASE or OIL adhere to the TENSION BELT UNIT during installation.

3 Move the part A of the spring of the TENSION LEVER UNIT shown in Fig. 2-8-4 in the direction shown by the arrow and install the TENSION ARM on the position shown in Fig. 2-8-4.

4 Move the part A of the MAIN PLATE ASSY in the opposite direction of arrow Ⓐ to let it enter the concave portion of the TENSION BELT UNIT as shown in Fig. 2-8-3 so that it points to the centre of the REEL DISK (On SP side).

5 Install the TENSION SPRING shown in Fig. 2-8-1.

6 Perform “Adjustment of BACK TENSION and TENSION PIN Position” in Para. 3-1 of “Interchangeability Adjustment of the Mechanism”.

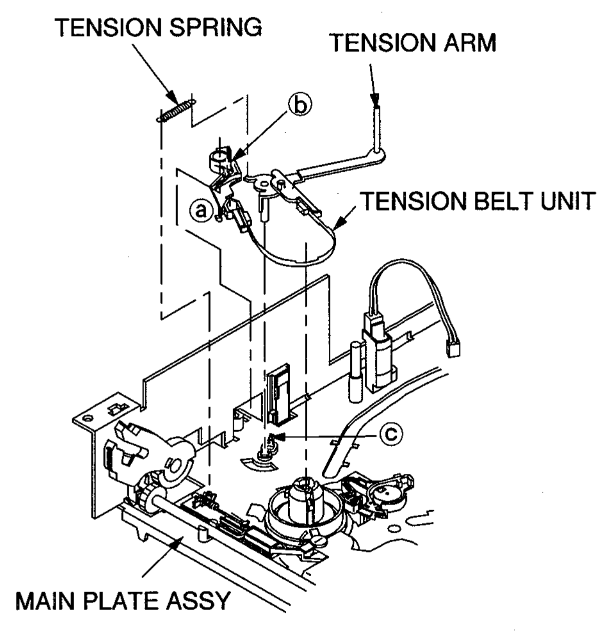


Fig. 2-8-1

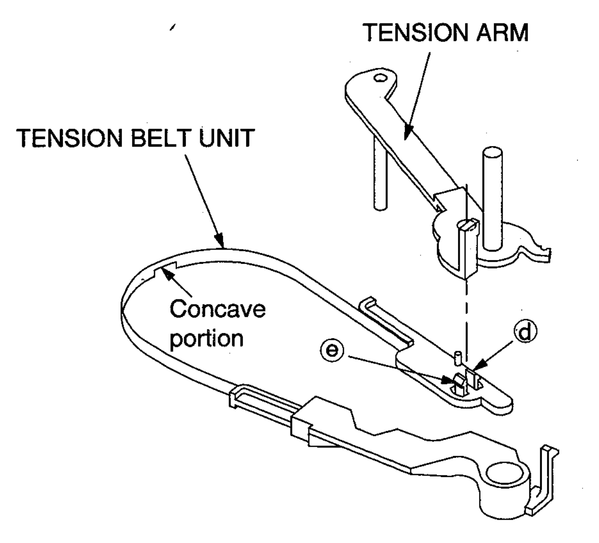


Fig. 2-8-2

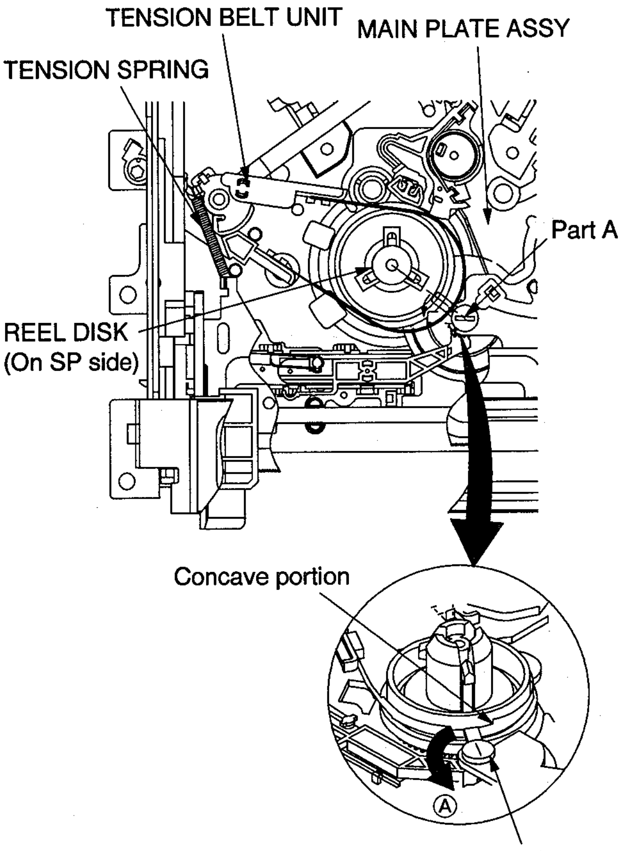

TENSION BELT UNIT
MAIN PLATE ASSY
TENSION SPRING
Part A
REEL DISK
(On SP side)
Concave portion
Ⓐ
Part A

Fig. 2-8-3

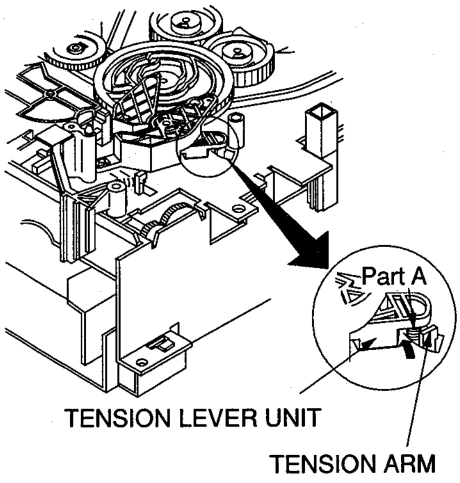

Part A
TENSION LEVER UNIT
TENSION ARM

Fig. 2-8-4

2-9 BRAKE SPRING (for MAIN BRAKE (SP)), MAIN BRAKE (SP), BRAKE SPRING (for MAIN BRAKE (TU)), MAIN BRAKE (TU)

Position the set normally.

(Removal)

1. Remove the BRAKE SPRING (for MAIN BRAKE (SP)) shown in Fig. 2-9.
2. Unfasten the catch (ⓐ) of the MAIN BRAKE (SP) shown in Fig. 2-9 with tweezers, etc. to remove the MAIN BRAKE (SP).
3. Remove the BRAKE SPRING (for MAIN BRAKE (TU)) shown in Fig. 2-9.
4. Unfasten the catch (ⓑ) of the MAIN BRAKE (TU) shown in Fig. 2-9 to remove the MAIN BRAKE (TU).

(Installation)

1. Install the MAIN BRAKE (TU) shown in Fig. 2-9.
2. Install the BRAKE SPRING (for MAIN BRAKE (TU)) shown in Fig. 2-9.
3. Install the MAIN BRAKE (SP) shown in Fig. 2-9.
4. Install the BRAKE SPRING (for MAIN BRAKE (SP)) shown in Fig. 2-9.

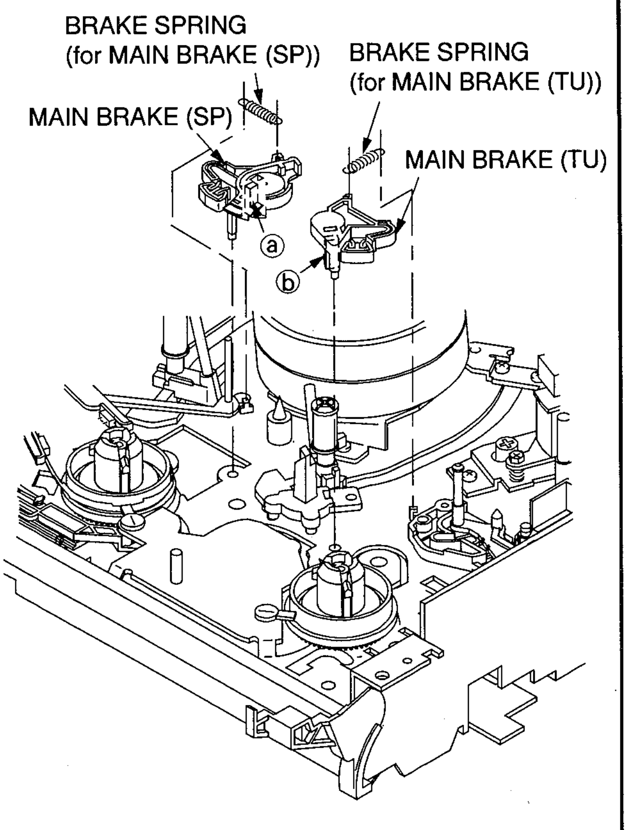

BRAKE SPRING
(for MAIN BRAKE (SP))
BRAKE SPRING
(for MAIN BRAKE (TU))
MAIN BRAKE (SP)
MAIN BRAKE (TU)
ⓐ
ⓑ

Fig. 2-9

2-10 REEL DISK (On SP side), REEL DISK (On TU side)

Position the set normally.

Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- TENSION SPRING (Para. 2-8)
- TENSION ARM (Para. 2-8)
- TENSION BELT UNIT (Para. 2-8)

(Removal)

1. Move the MAIN BRAKE (SP) in the direction shown by arrow Ⓐ hold it in that state. Remove the REEL DISK (On SP side) as shown in Fig. 2-10-1.
2. Move the part B in the direction shown by arrow Ⓑ with a minus screw driver as shown in Fig. 2-10-1.
3. Move the MAIN BAKE (TU) in the direction shown by arrow Ⓒ hold it in that state. Remove the REEL DISK (On TU side) as shown in Fig. 2-10-1.

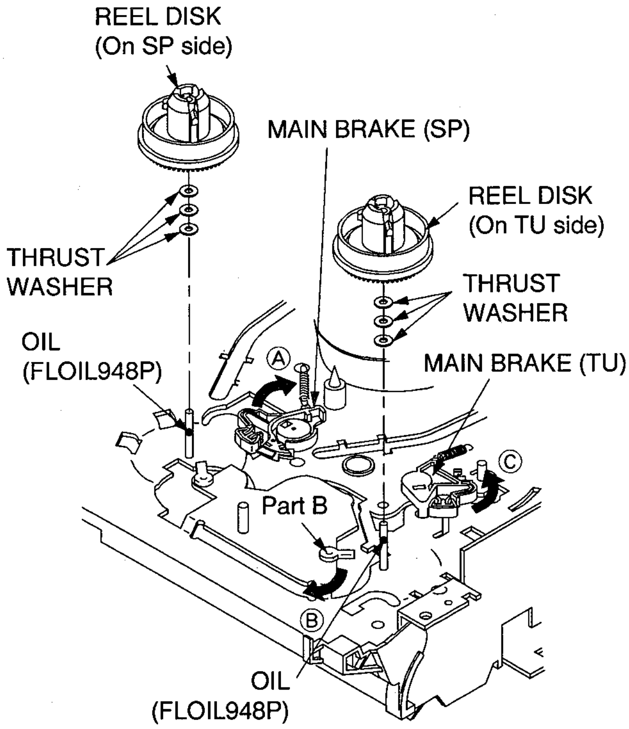

REEL DISK
(On SP side)
MAIN BRAKE (SP)
REEL DISK
(On TU side)
THRUST
WASHER
THRUST
WASHER
OIL
(FLOIL948P)
Ⓐ
MAIN BRAKE (TU)
Ⓒ
Part B
Ⓑ
OIL
(FLOIL948P)

Fig. 2-10-1

(Installation)

1 Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-10-1 in which the REEL DISK (On SP side) on the MAIN PLATE ASSY is to enter.

2 Install the REEL DISK (On SP side) shown in Fig. 2-10-1.

3 Place the height adjustment jig [MASTER PLANE] (859C342020) shown in Fig. 2-10-2 in the reference position.
(Place the MASTER PLANE so that the points A, B and C of the MAIN PLATE ASSY support it.)

4 Place the height adjustment jig [SQUARE] (859C433060) shown in Fig. 2-10-2 on the MASTER PLANE. Move it to the position shown in Fig. 2-10-3 to make sure that A can pass but B cannot pass under the REEL DISK (On SP side).

5 If the height of the REEL DISK (On SP side) is not correct, adjust it to the height specified in Item 4 by removing or adding the THRUST WASHER to be fixed to the shaft under the REEL DISK (On SP side).
- If it is high, remove THRUST WASHER.
- If it is low, add THRUST WASHER.

6 Install the TENSION BELT UNIT, TENSION ARM and TENSION SPRING.
(Refer to Para. 2-8 for the installation method.)

7 Make sure that the REEL DISK (On SP side) shown in Fig. 2-10-1 cannot come off.

8 Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-10-1 in the REEL DISK (On TU side) on the MAIN PLATE ASSY is to enter.

9 Install the REEL DISK (On TU side) shown in Fig. 2-10-1.

10 Place the height adjustment jig [MASTER PLANE] (859C342020) shown in Fig. 2-10-2 in the reference position.
(Place the MASTER PLANE so that the points A, B and C of the MAIN PLATE ASSY support it.)

11 Place the height adjustment jig [SQUARE] (859C433060) shown in Fig. 2-10-2 on the MASTER PLANE. Move it to the position shown in Fig. 2-10-4 to make sure that A can pass but B cannot pass under the REEL DISK (On TU side).

12 If the height of the REEL DISK (On TU side) is not correct, adjust it to the height specified in Item 11 by remove or adding the THRUST WASHER to be fixed to the shaft under the REEL DISK (On TU side).
- If it is high, remove THRUST WASHER.
- If it is low, add THRUST WASHER.

13 Move the part B of the MAIN PLATE ASSY in the opposite direction of arrow Ⓑ as shown in Fig. 2-10-1 so that it points to the centre of the REEL DISK (On TU side).

14 Make sure that the REEL DISK (On TU side) shown in Fig. 2-10-1 cannot come off.

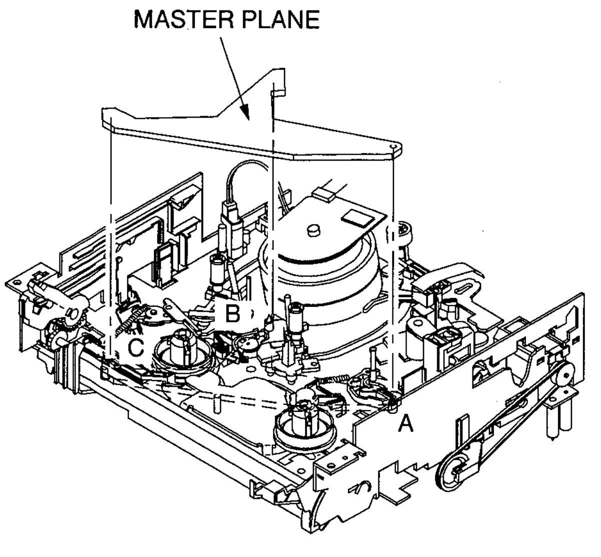


Fig. 2-10-2

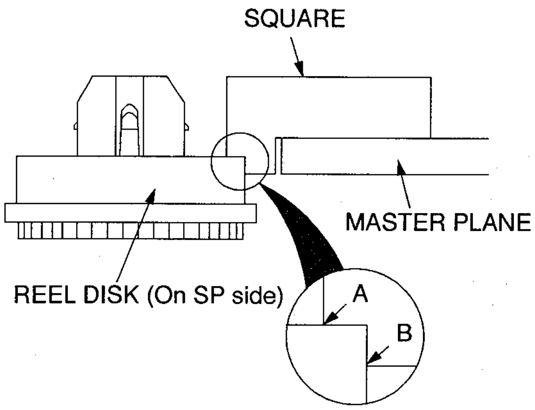


Fig. 2-10-3

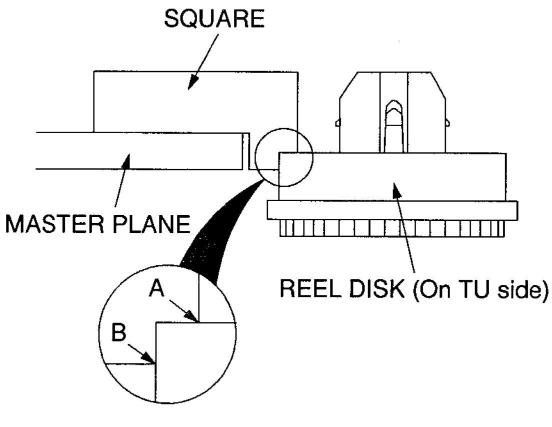


Fig. 2-10-4

2-11 LOADING BELT, LOADING MOTOR ASSY

Position the set normally.

(Removal)

1 Remove the LOADING BELT shown in Fig. 2-11-1.

2 Unfasten the two catches (ⓐ and ⓑ) of the LOADING MOTOR ASSY shown in Fig. 2-11-2 and the two catches (ⓒ and ⓓ) of it shown in Fig. 2-11-2 to remove the LOADING MOTOR ASSY.

(Installation)

1 Install the LOADING MOTOR ASSY shown in Fig. 2-11-2.

2 Fasten the LOADING BELT shown in Fig. 2-11-1.

Note : Take care never to make GREASE or OIL adhere to the LOADING BELT during installation.

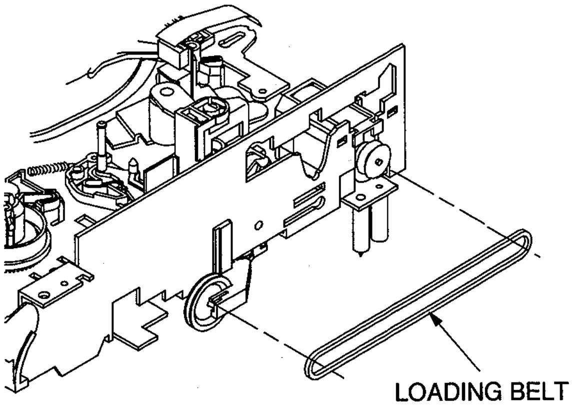


Fig. 2-11-1

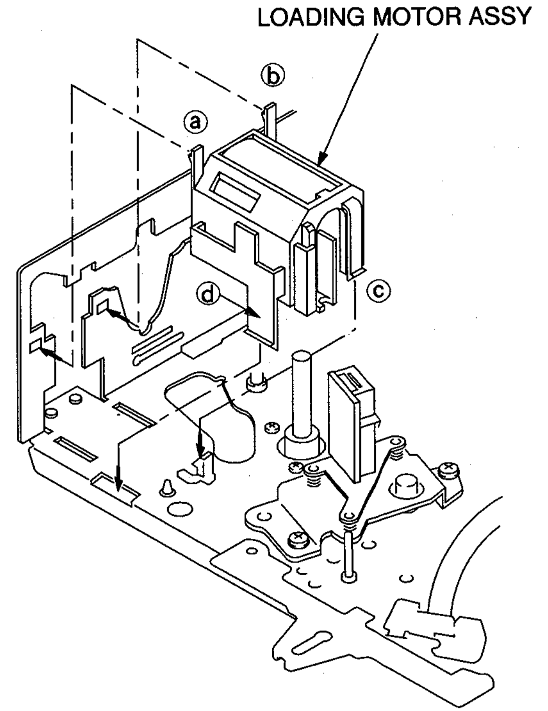


Fig. 2-11-2

2-12 PINCH ARM CAP 2, PINCH ARM UNIT, PINCH GEAR ARM 2, PINCH CAM HOLDER, PINCH CAM SPRING, PINCH CAM LEVER, PINCH RACK SLIDER, PINCH CAM GEAR

Position the set normally.

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) of the PINCH ARM CAP 2 shown in Fig. 2-12-1 with the tweezers, etc. to remove the PINCH ARM CAP 2.
2 Move the PINCH ARM UNIT in the direction shown by arrow Ⓐ to remove it as shown in Fig. 2-12-1.
3 Remove the PINCH GEAR ARM 2 shown in Fig. 2-12-1.
4 Remove the PINCH CAM SPRING shown in Fig. 2-12-1.
5 Remove the PINCH CAM LEVER shown in Fig. 2-12-1.
6 Unfasten the catch (ⓒ) of the PINCH RACK SLIDER shown in Fig. 2-12-1. Move the PINCH RACK SLIDER in the direction shown by arrow Ⓑ to remove it.
7 Unscrew the screw (ⓓ) of the PINCH CAM HOLDER shown in Fig. 2-12-1 to remove the PINCH CAM HOLDER.
8 Remove the PINCH CAM GEAR shown in Fig. 2-12-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-12-2 on the new PINCH CAM GEAR.

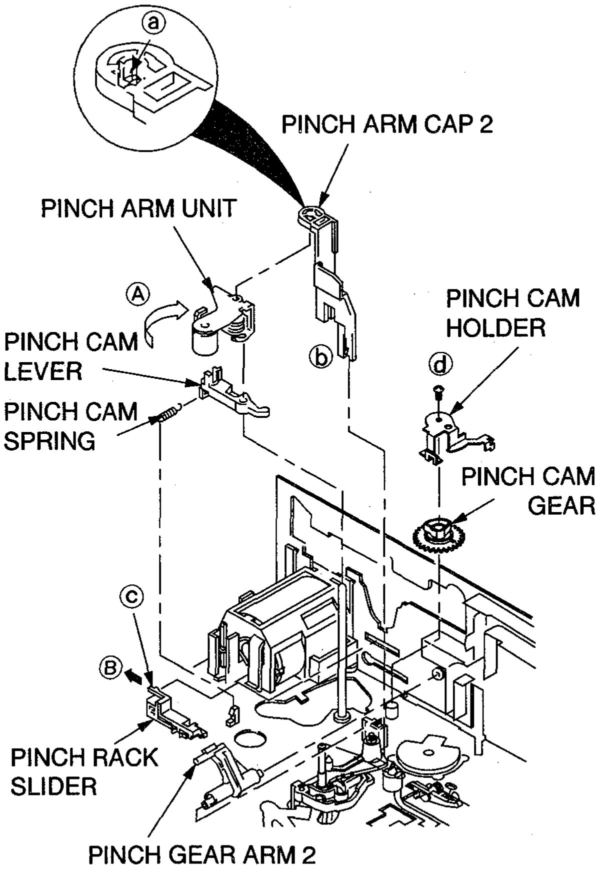

ⓐ
PINCH ARM CAP 2
PINCH ARM UNIT
Ⓐ
PINCH CAM HOLDER
ⓑ
PINCH CAM LEVER
ⓓ
PINCH CAM SPRING
PINCH CAM GEAR
ⓒ
Ⓑ
PINCH RACK SLIDER
PINCH GEAR ARM 2

Fig. 2-12-1

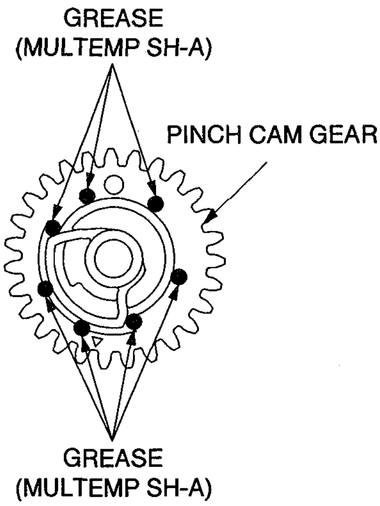

GREASE
(MULTEMP SH-A)
PINCH CAM GEAR
GREASE
(MULTEMP SH-A)

Fig. 2-12-2

2 Set the PINCH CAM GEAR so that the Δ mark on it matches with the Δ mark on the PINCH WORM GEAR as shown in Fig. 2-12-3 and install it.
3 Install the PINCH CAM HOLDER on the position shown in Fig. 2-12-4.
4 Move the PINCH RACK SLIDER in the direction shown by the arrow as shown in Fig. 2-12-5.
5 Make sure that the catch (ⓐ) of the PINCH RACK SLIDER enters the hole of the MAIN PLATE ASSY as shown in Fig. 2-12-5.
6 Install the PINCH CAM LEVER shown in Fig. 2-12-1.
7 Install the PINCH CAM SPRING shown in Fig. 2-12-1.

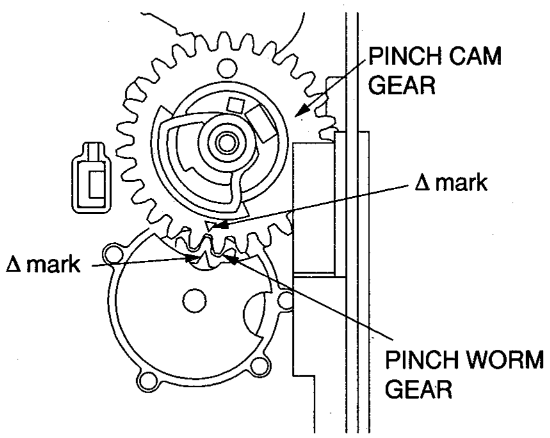

PINCH CAM GEAR
Δ mark
Δ mark
PINCH WORM GEAR

Fig. 2-12-3

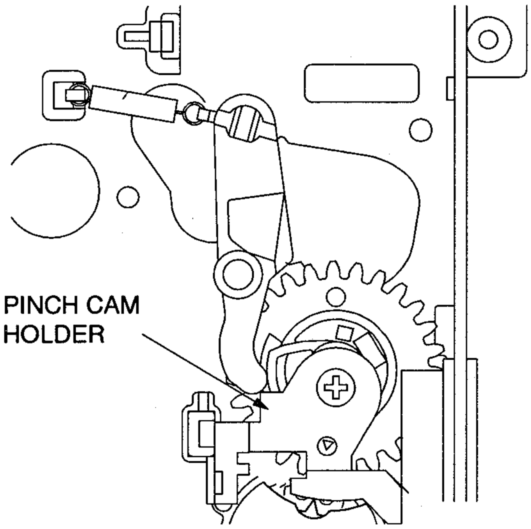

PINCH CAM HOLDER

Fig. 2-12-4

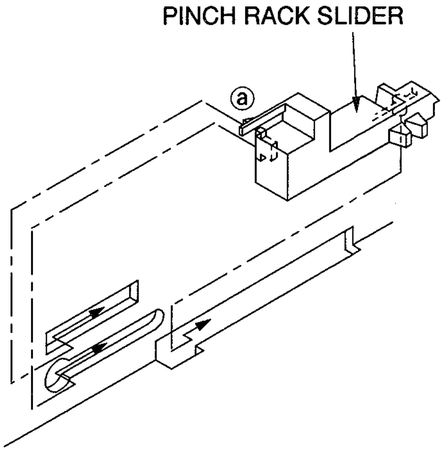

PINCH RACK SLIDER
ⓐ

Fig. 2-12-5

8 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-12-6 on the new PINCH GEAR ARM 2.

9 Install the PINCH GEAR ARM 2 shown in Fig. 2-12-7 so that the boss of the PINCH GEAR ARM 2 and the shaft of the MAIN PLATE ASSY are positioned as shown.

10 Move the PINCH ARM UNIT in the opposite direction of arrow Ⓐ to install it as shown in Fig. 2-12-1.

11 Install the PINCH ARM CAP 2 shown in Fig. 2-12-1.

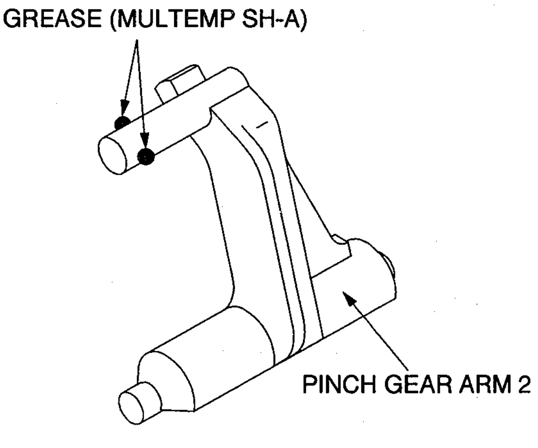

GREASE (MULTEMP SH-A)
PINCH GEAR ARM 2

Fig. 2-12-6

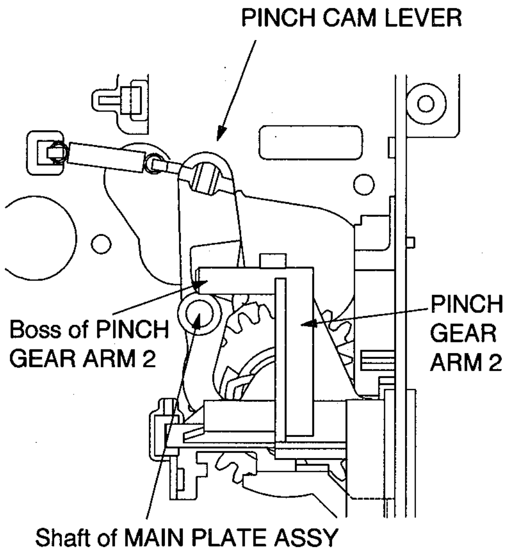

PINCH CAM LEVER
Boss of PINCH GEAR ARM 2
PINCH GEAR ARM 2
Shaft of MAIN PLATE ASSY

Fig. 2-12-7

2-13 GUIDE ARM ASSY (TU), GUIDE SPRING (TU), LOADING TG LEVER

Position the set normally.

(Removal)

1. Remove the NYLON NUT shown in Fig. 2-13-1 to remove the SL WASHER (ⓐ) , the GUIDE ARM ASSY (TU) and GUIDE SPRING (TU).
2. Remove the CUT WASHER (ⓑ) fastening the LOADING TG LEVER shown in Fig. 2-13-1.
3. Unfasten the two catches (ⓒ and ⓓ) of the LOADING TG LEVER shown in Fig. 2-13-1 to remove the LOADING TG LEVER.

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-13-2 on the new LOADING TG LEVER.
2. Install the LOADING TG LEVER shown in Fig. 2-13-1.
3. Install the CUT WASHER shown in Fig. 2-13-1 to fasten the LOADING TG LEVER.

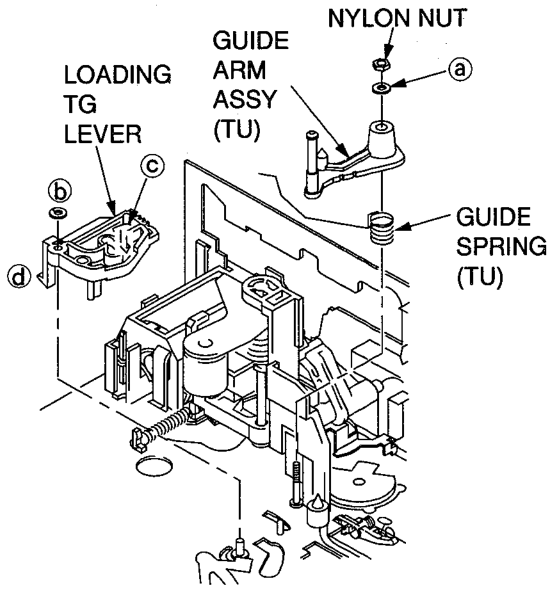

NYLON NUT
GUIDE ARM ASSY (TU)
LOADING TG LEVER
ⓐ
ⓑ
ⓒ
ⓓ
GUIDE SPRING (TU)

Fig. 2-13-1

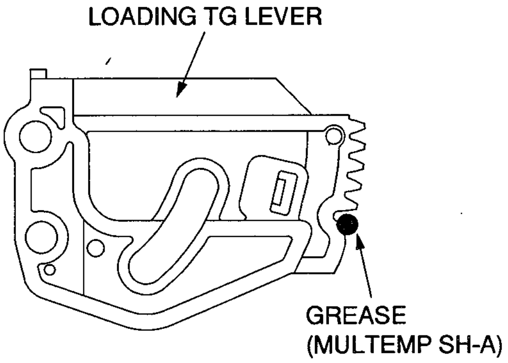

LOADING TG LEVER
GREASE (MULTEMP SH-A)

Fig. 2-13-2

4 Fix the GUIDE SPRING (TU) to the GUIDE ARM ASSY (TU) as shown in Fig. 2-13-3.

5 Fix the GUIDE ARM ASSY (TU) with the GUIDE SPRING (TU) attached shown in Fig. 2-13-1 to the shaft of the MAIN PLATE ASSY.

6 Install the GUIDE SPRING (TU) on the position shown in Fig. 2-13-4.

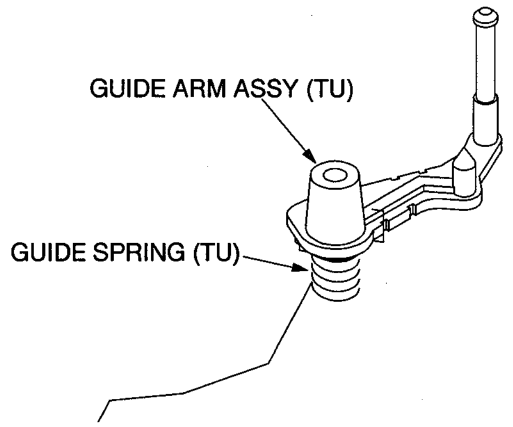

GUIDE ARM ASSY (TU)
GUIDE SPRING (TU)

Fig. 2-13-3

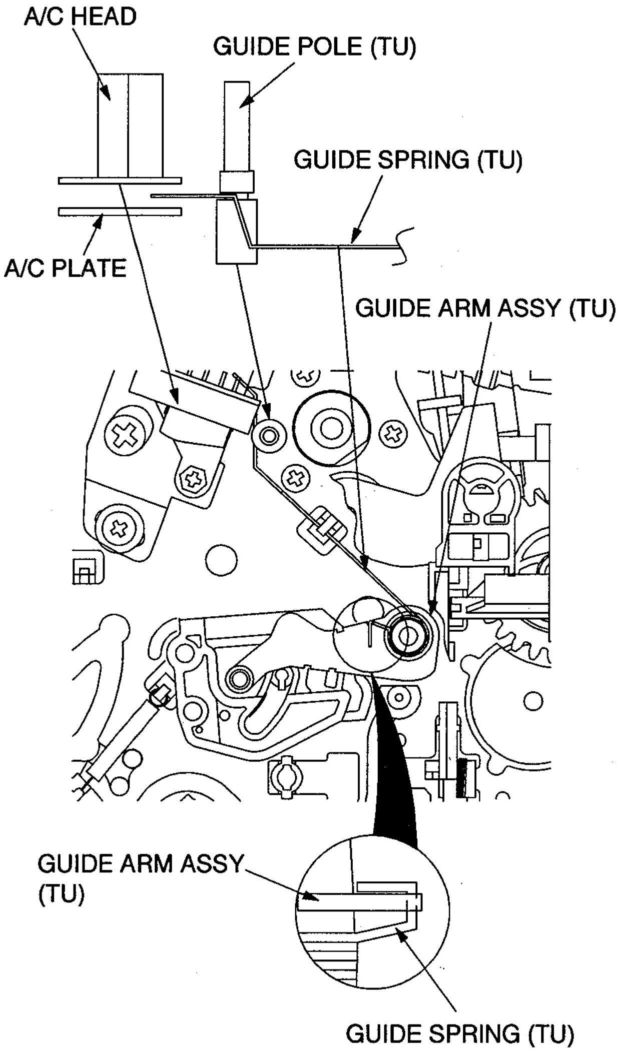

A/C HEAD
GUIDE POLE (TU)
GUIDE SPRING (TU)
A/C PLATE
GUIDE ARM ASSY (TU)
GUIDE ARM ASSY (TU)
GUIDE SPRING (TU)

Fig. 2-13-4

7 Install the GUIDE ARM ASSY (TU) so that the first tooth of the gear of the GUIDE ARM ASSY (TU) shown in Fig. 2-13-5 matches with hole Ⓐ of the LOADING TG LEVER.
8 Install the SL WASHER (ⓐ) and NYLON NUT shown in Fig. 2-13-1.
9 Perform "Adjustment of GUIDE ARM ASSY (TU) Height" in Para. 3-5 of "Interchangeability Adjustment of the Mechanism".

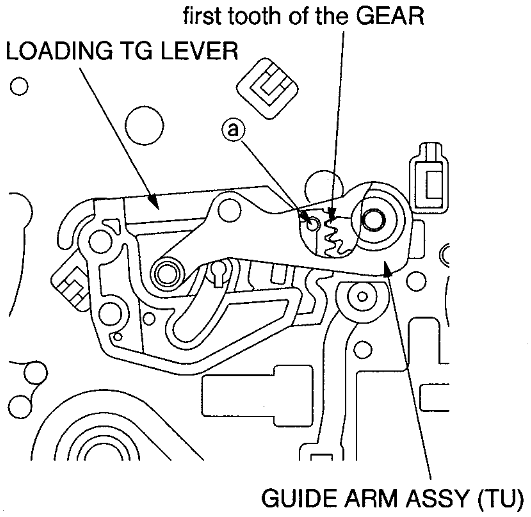

first tooth of the GEAR
LOADING TG LEVER
ⓐ
GUIDE ARM ASSY (TU)

Fig. 2-13-5

2-14 REC SPRING, REC LEVER

Place the set upside down.

(Removal)

1 Remove the REC SPRING shown in Fig. 2-14.
2 Move the REC LEVER in the direction shown by arrow Ⓐ until it strikes on the MAIN PLATE ASSY to remove it as shown in Fig. 2-14.

(Installation)

1 Insert the catch of the REC LEVER shown in Fig. 2-14 into the hole of the MAIN PLATE ASSY and install the REC LEVER.
2 Install the REC SPRING shown in Fig. 2-14.

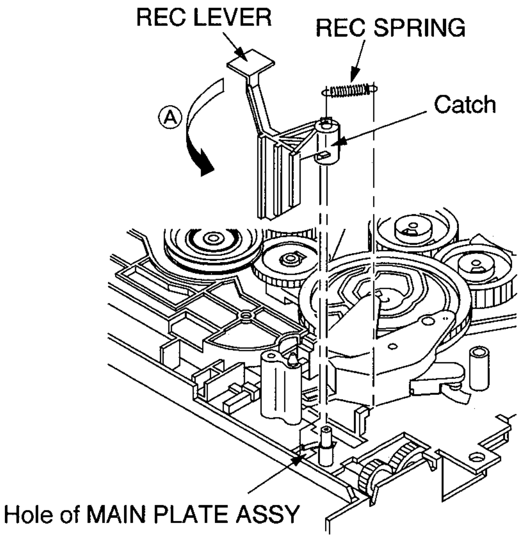

REC LEVER
REC SPRING
Catch
Ⓐ
Hole of MAIN PLATE ASSY

Fig. 2-14

2-15 REEL BELT, BELT PULLEY, SHIFT SPRING

Place the set upside down.

(Removal)

1 Remove the REEL BELT shown in Fig. 2-15.
2 Remove the CUT WASHER (ⓐ) fastening the BELT PULLEY shown in Fig. 2-15 to remove the BELT PULLEY.
3 Remove the SHIFT SPRING shown in Fig. 2-15.

(Installation)

1 Install the SHIFT SPRING shown in Fig. 2-15.
2 Fasten the BELT PULLEY shown in Fig. 2-15.
3 Install the CUT WASHER shown in Fig. 2-15 to fasten the BELT PULLEY.
4 Install the REEL BELT shown in Fig. 2-15.

Note : Take care never to make GREASE or OIL adhere to the REEL BELT during installation.

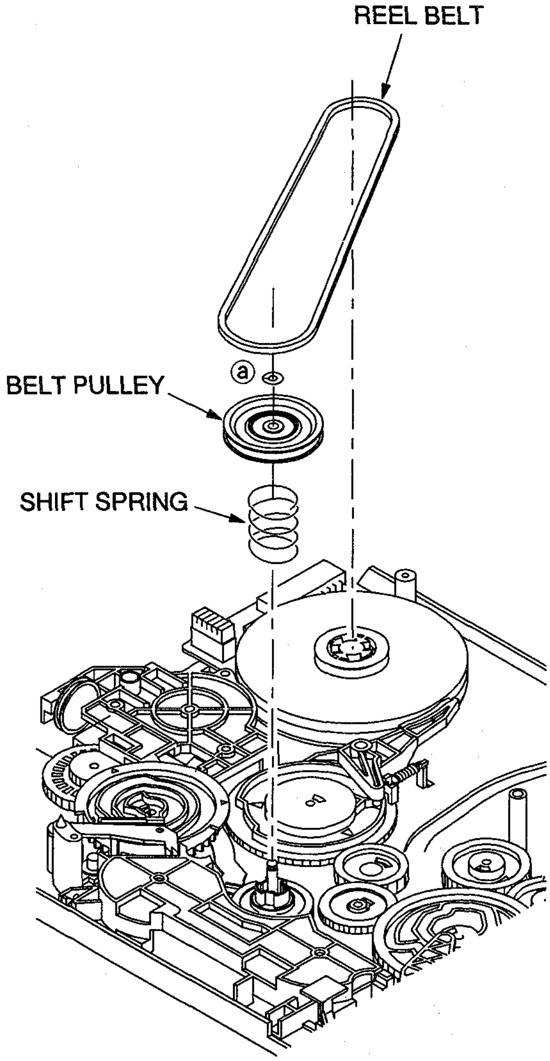


Fig. 2-15

2-16 CAPSTAN BRAKE SPRING, CAPSTAN BRAKE

Place the set upside down.
Before performing replacement in this paragraph, remove the following part. Refer to the applicable paragraph for installation of the part.

- REEL BELT (Para. 2-15)

(Removal)

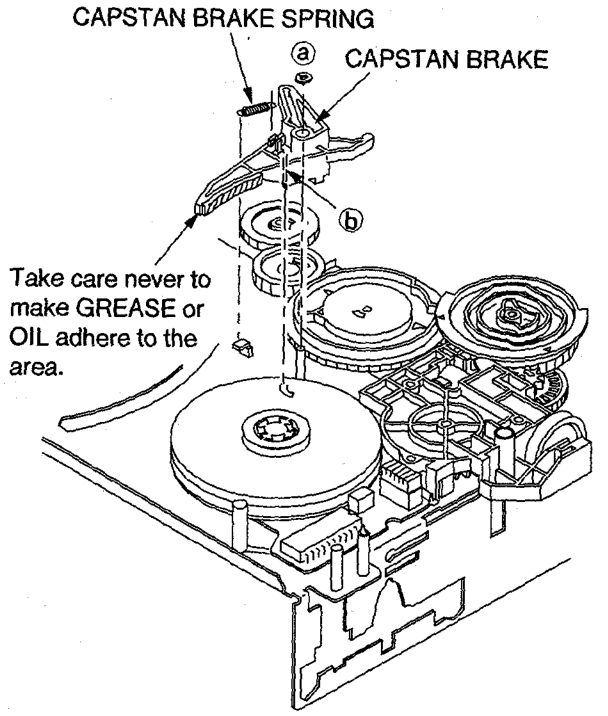
1. Remove the CAPSTAN BRAKE SPRING shown in Fig. 2-16.
2. Remove the CUT WASHER (ⓐ) fastening the CAPSTAN BRAKE shown in Fig. 2-16.
3. Unfasten the catch (ⓑ) on the surface of the CAPSTAN BRAKE shown in Fig. 2-16 with tweezers, etc. to remove the CAPSTAN BRAKE.

(Installation)

1. Install the CAPSTAN BRAKE shown in Fig. 2-16.

Note : Take care never to make GREASE or OIL adhere to the area specified in Fig. 2-16 during installation of the CAPSTAN BRAKE.

2. Install the CUT WASHER (ⓐ) shown in Fig. 2-16 to fasten the CAPSTAN BRAKE.
3. Install the CAPSTAN BRAKE SPRING shown in Fig. 2-16.



Take care never to make GREASE or OIL adhere to the area.

Fig. 2-16

2-17 MODE HOLDER, REEL LOCK LEVER, MODE GEAR, F/L DRIVE GEAR, F/L DRIVE LEVER, WORM PULLEY UNIT, LOADING WORM GEAR

Place the set upside down.

(Removal)

1. Unfasten the catch (ⓐ) on the surface of the REEL LOCK LEVER shown in Fig. 2-17-1 with tweezers, etc. to remove the REEL LOCK LEVER.
2. Unscrew the MODE HOLDER fastening screw (ⓑ) shown in Fig. 2-17-1 to remove the MODE HOLDER.
3. Unfasten the catch (ⓒ) of the SNAP PIN shown in Fig. 2-17-1 with the tweezers, etc. to remove the SNAP PIN.
4. Unfasten the catch (ⓓ) on the surface of the MODE GEAR shown in Fig. 2-17-1 with tweezers, etc. to remove the MODE GEAR.
5. Remove the F/L DRIVE GEAR shown in Fig. 2-17-1 from the shaft of the MAIN PLATE ASSY.
6. Remove the F/L DRIVE LEVER shown in Fig. 2-17-1.

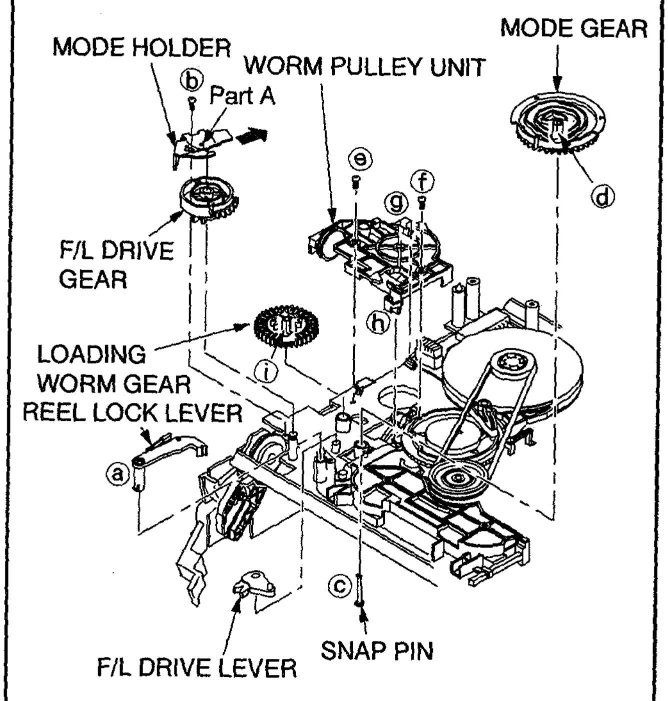


Fig. 2-17-1

7 Unscrew the two WORM PULLEY UNIT fastening screws (ⓔ and ⓕ) shown in Fig. 2-17-1.

8 Remove the LOADING BELT.
(Refer to Para. 2-11 for the removal method.)

9 Unfasten the two catches (ⓖ and ⓗ) of the WORM PULLEY UNIT shown in Fig. 2-17-1 to remove the WORM PULLEY UNIT.

10 Unfasten the catch (ⓘ) on the surface of the LOADING WORM GEAR shown in Fig. 2-17-1 to remove the LOADING WORM GEAR.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-17-2 on the new LOADING WORM GEAR.

2 Install the LOADING WORM GEAR shown in Fig. 2-17-1.

3 Turn the WORM PULLEY shown in Fig. 2-17-3 so that the round hole of the PINCH WORM GEAR matches with that of the WORM HOLDER.

4 Install the WORM PULLEY UNIT so that the Δ mark on the LOADING WORM GEAR shown in Fig. 2-17-4 matches with the part A of it.

5 Fasten the LOADING BELT. (Refer to Para. 2-11.)

6 Install the F/L DRIVE LEVER shown in Fig. 2-17-1.

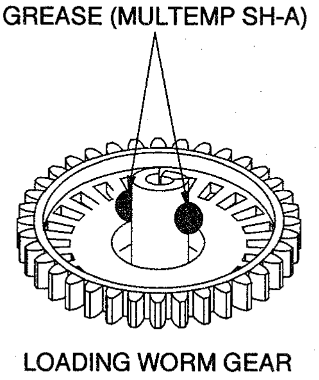

GREASE (MULTEMP SH-A)
LOADING WORM GEAR

Fig. 2-17-2

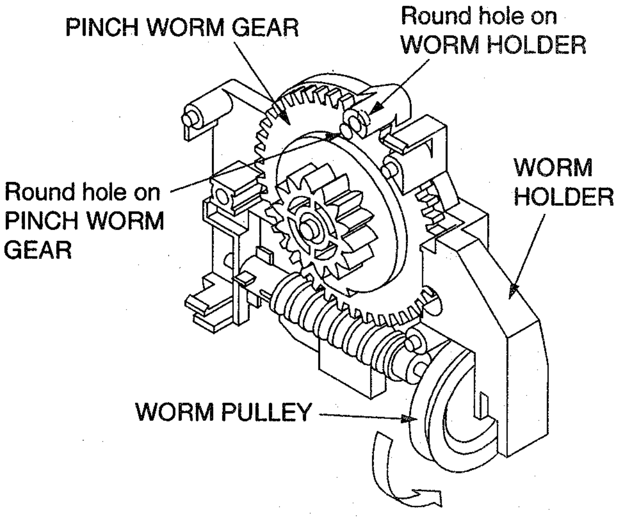

PINCH WORM GEAR
Round hole on WORM HOLDER
Round hole on PINCH WORM GEAR
WORM HOLDER
WORM PULLEY

Fig. 2-17-3

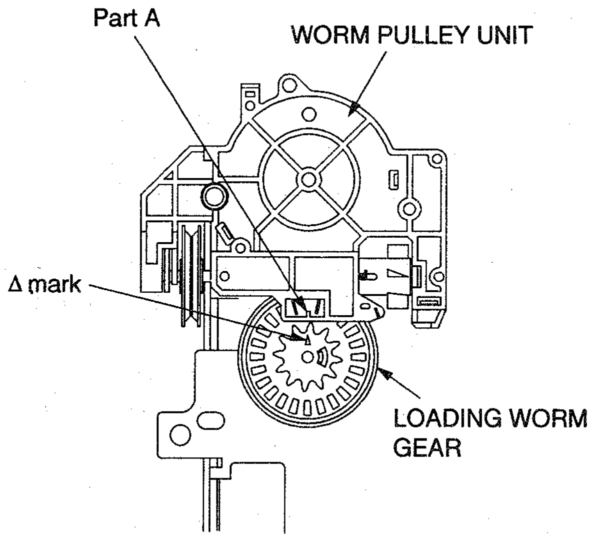

Part A
WORM PULLEY UNIT
Δ mark
LOADING WORM GEAR

Fig. 2-17-4

7 Fully move the F/L DRIVE LEVER shown in Fig. 2-17-5 in the direction shown by arrow Ⓐ.

8 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-17-6 on the new F/L DRIVE GEAR.

9 Move the F/L ARM UNIT (TU) shown in Fig. 2-17-7 in the direction shown by arrow Ⓐ.

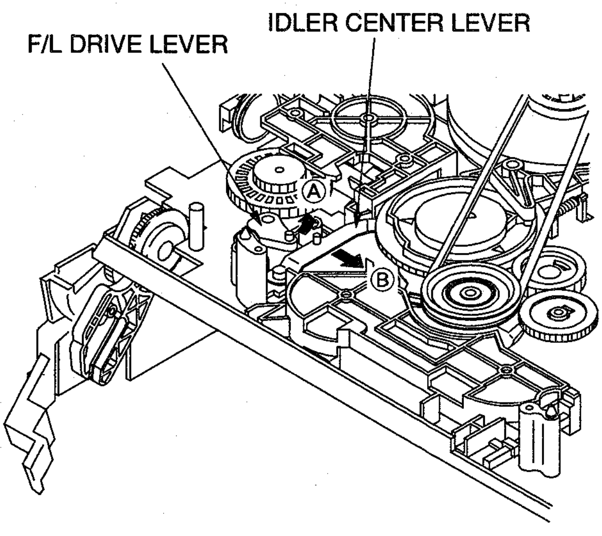
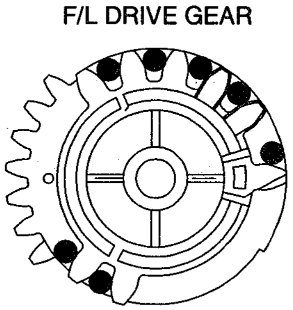

IDLER CENTER LEVER
F/L DRIVE LEVER
Ⓐ
Ⓑ

Fig. 2-17-5


F/L DRIVE GEAR

Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-17-6

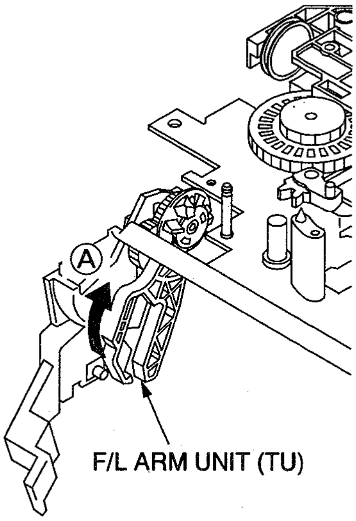

Ⓐ
F/L ARM UNIT (TU)

Fig. 2-17-7

10 Install the F/L DRIVE GEAR so that the first tooth of the gear of the F/L ARM UNIT (TU) matches with the ll mark on the F/L DRIVE GEAR as shown in Fig. 2-17-8.

11 Fully move the IDLER CENTER LEVER shown in Fig. 2-17-5 in the direction shown by arrow Ⓑ.

12 Apply GREASE (MULTEMP SH-A) [859D055080] to the area shown in Fig. 2-17-9 on the new MODE GEAR.

13 Install the MODE GEAR shown in Fig. 2-17-10 so that;
   - Δ mark on the part A of the MODE GEAR matches with Δ mark on the part B of the CAM GEAR (TU),
   - Δ mark on the part C of the MODE GEAR points to the centre of the LOADING WORM GEAR, and
   - Δ mark on the part D of the MODE GEAR matches with the ○ mark on the part E of the F/L DRIVE GEAR.

14 Make sure that the Δ mark on the PINCH WORM GEAR shown in Fig. 2-12-3 matches with the Δ mark on the PINCH CAM GEAR .

15 Push the SNAP PIN shown in Fig. 2-17-1 into the centre hole of the MODE GEAR from the surface to install it.

16 Move the MODE HOLDER shown in Fig. 2-17-1 in the direction shown by the arrow so that the part A of it is fixed to the shaft of the MAIN PLATE ASSY and install it.

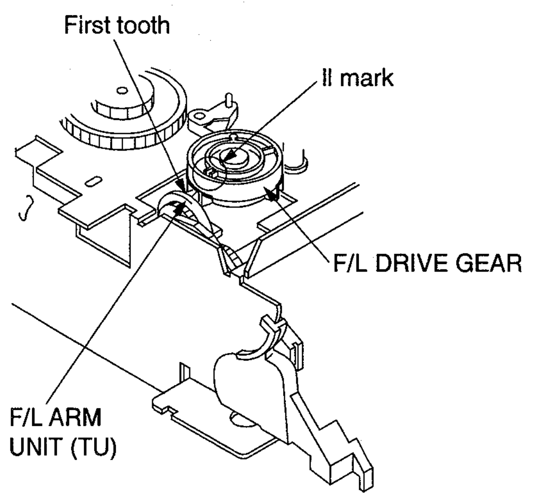
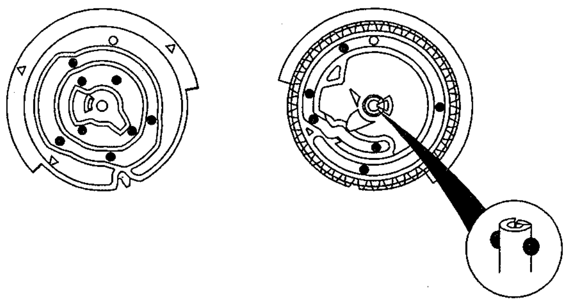

First tooth
ll mark
F/L DRIVE GEAR
F/L ARM UNIT (TU)

Fig. 2-17-8



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-17-9

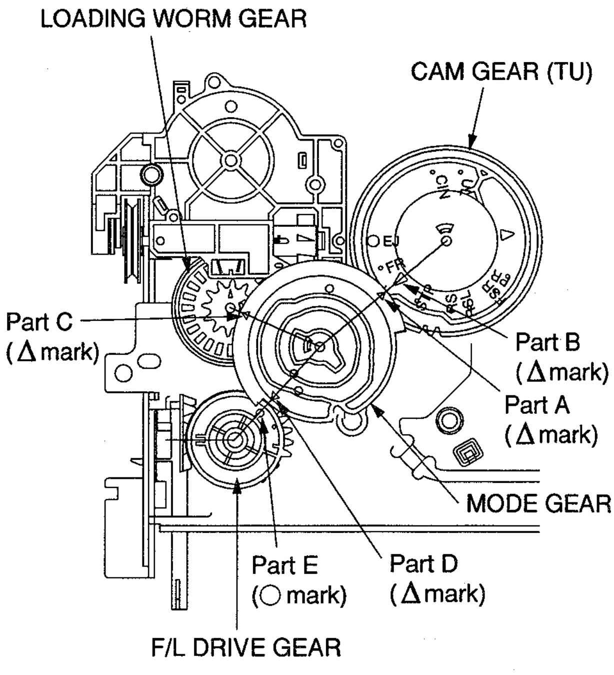

LOADING WORM GEAR
CAM GEAR (TU)
Part C
(Δ mark)
Part B
(Δ mark)
Part A
(Δ mark)
MODE GEAR
Part E
(○ mark)
Part D
(Δ mark)
F/L DRIVE GEAR

Fig. 2-17-10

17 Install the REEL LOCK LEVER so that the pins on the parts F and G of the REEL LOCK LEVER shown in Fig. 2-17-11 enter the cam groove of the MODE GEAR.

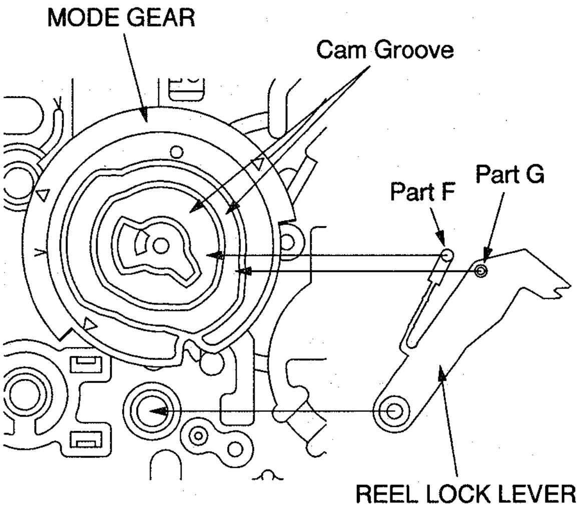

MODE GEAR
Cam Groove
Part F
Part G
REEL LOCK LEVER

Fig. 2-17-11

2-18 CONTROL WIND LEVER, TENSION LEVER UNIT

Place the set upside down.

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CONTROL WIND LEVER shown in Fig. 2-18-1 with tweezers, etc. to remove the CONTROL WIND LEVER.

2 Remove the TENSION LEVER UNIT shown in Fig. 2-18-1.

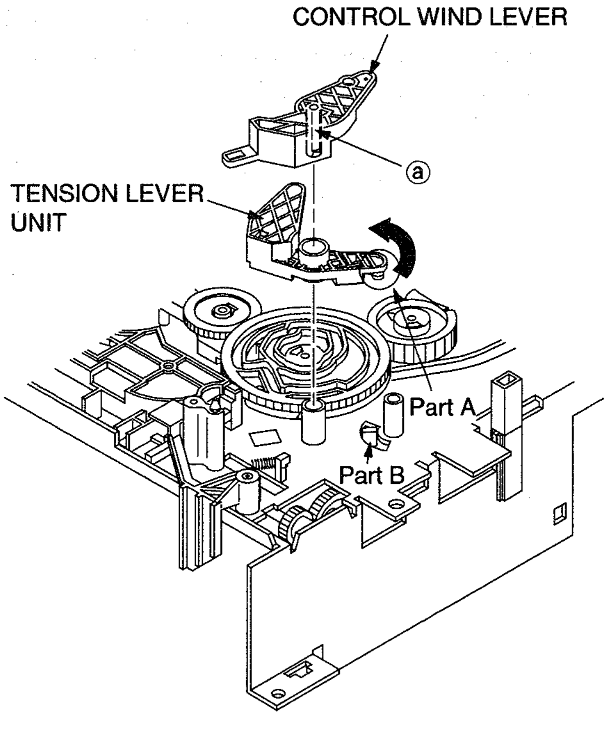

CONTROL WIND LEVER
ⓐ
TENSION LEVER UNIT
Part A
Part B

Fig. 2-18-1

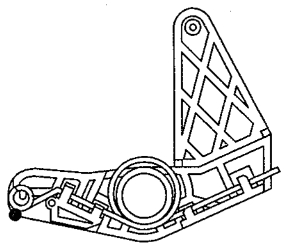
(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-18-2 on the new TENSION LEVER UNIT.

2 Install the TENSION LEVER UNIT shown in Fig. 2-18-1 with taking care of the following.
  - Make the pin on the part A of the TENSION LEVER UNIT shown in Fig. 2-18-3 enter the cam groove on the CAM GEAR (SP).
  - Move the part A of the spring of the TENSION LEVER UNIT shown in Fig. 2-18-1 in the direction shown by the arrow. Install the TENSION LEVER UNIT so that the part A of the spring is hooked to the part B of the TENSION ARM.

3 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-18-4 on the new CONTROL WIND LEVER.

4 Install the CONTROL WIND LEVER so that the pin on the part B on the CONTROL WIND LEVER shown in Fig. 2-18-3 enters the cam groove of the CAM GEAR (SP) and that the pin of the part D of the WIND LEVER UNIT enters the hole of the part C on the CONTROL WIND LEVER.



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-18-2

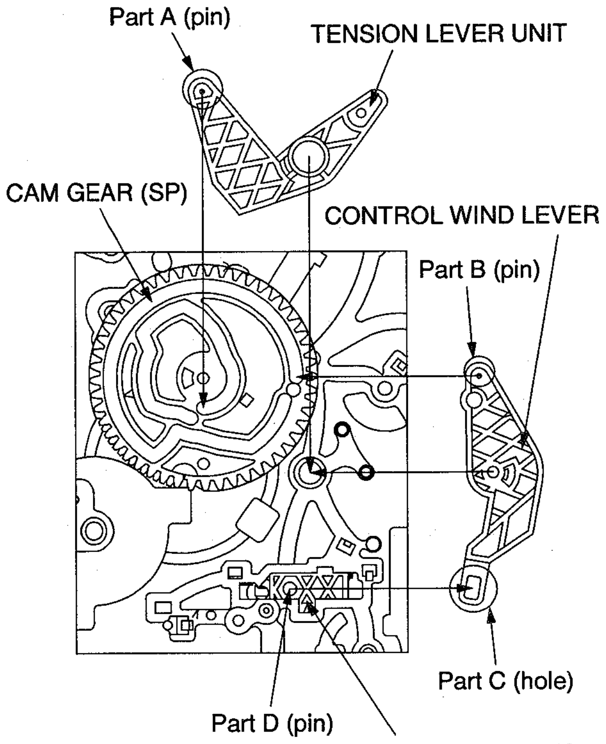
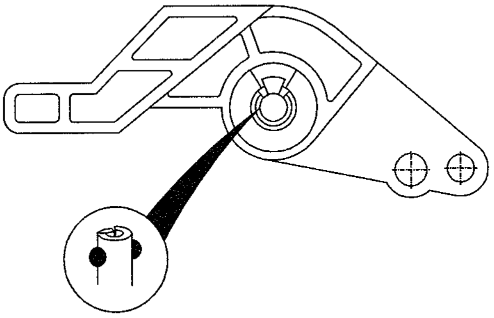


Fig. 2-18-3



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-18-4

2-19 PHOTO GUIDE UNIT (SP), PHOTO GUIDE UNIT (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)

(Removal)

1 Unfasten the catch (ⓐ) of the PHOTO GUIDE UNIT (SP) shown in Fig. 2-19-1 with tweezers, etc. and remove the PHOTO GUIDE UNIT (SP) in the direction shown by the arrow.

2 Remove the PHOTO GUIDE UNIT (TU) shown in Fig. 2-19-2 in the direction shown by the arrow.

(Installation)

1 Push the PHOTO GUIDE UNIT (TU) into the DECK to the bottom, with the part A shown in Fig. 2-19-2 toward the inside of DECK.

Note : Never touch the transparent part of the PHOTO GUIDE UNIT (TU).

2 Push the PHOTO GUIDE UNIT (SP) into the DECK so that the catch (ⓐ) is hooked, with the part A shown in Fig. 2-19-1 toward the inside of DECK.

Note : Never touch the transparent part of the PHOTO GUIDE UNIT (SP).

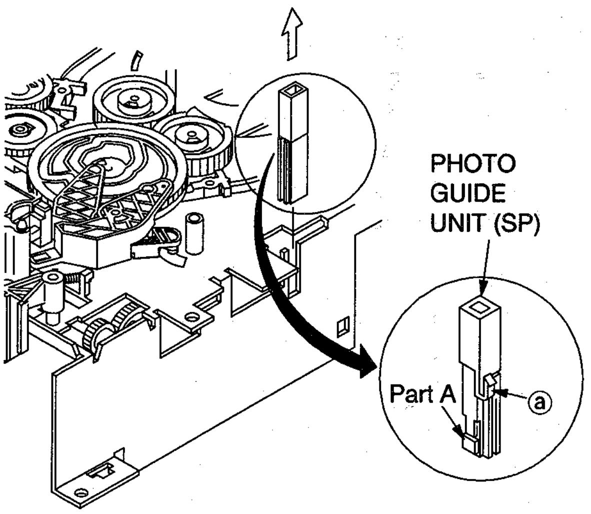


Fig. 2-19-1

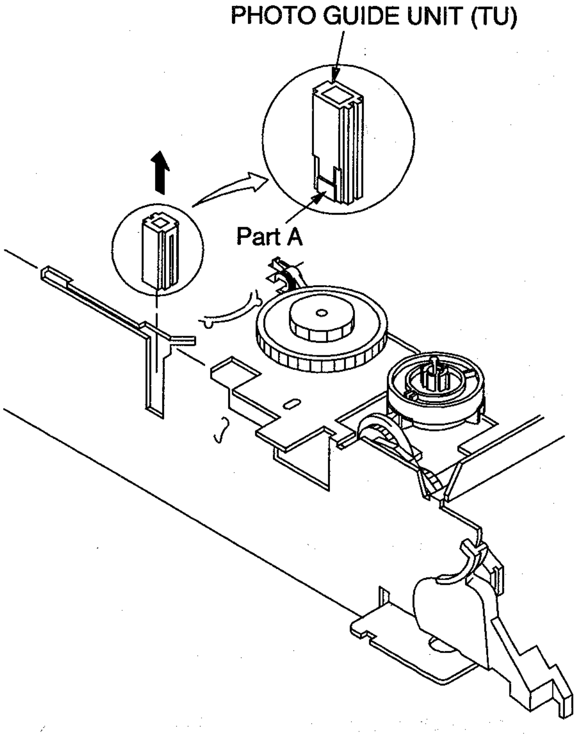


Fig. 2-19-2

2-20 LOADING GEAR, LAMP LOADING GEAR

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- REEL BELT (Para. 2-15)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the LOADING GEAR shown in Fig. 2-20-1 with tweezers, etc. to remove the LOADING GEAR.
2 Unfasten the catch (ⓑ) on the surface of the LAMP LOADING GEAR shown in Fig. 2-20-1 with tweezers, etc. to remove the LAMP LOADING GEAR .

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-20-2 on the new LAMP LOADING GEAR .
2 Install the LAMP LOADING GEAR shown in Fig. 2-20-1.
3 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-20-2 on the new LOADING GEAR .
4 Install the LOADING GEAR shown in Fig. 2-20-1.

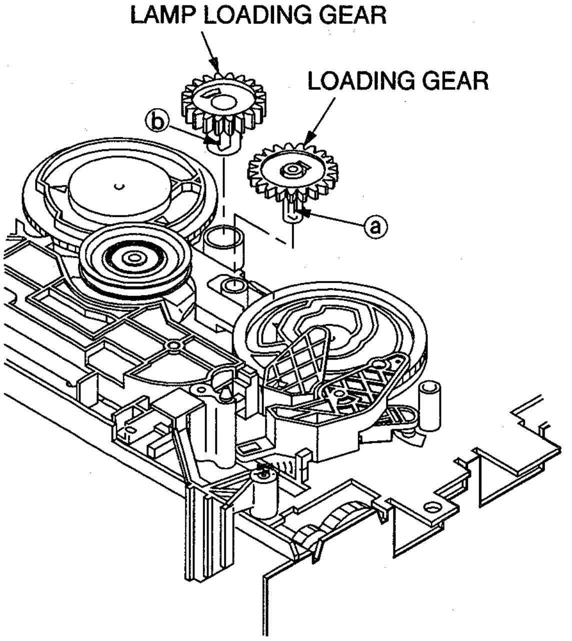


Fig. 2-20-1

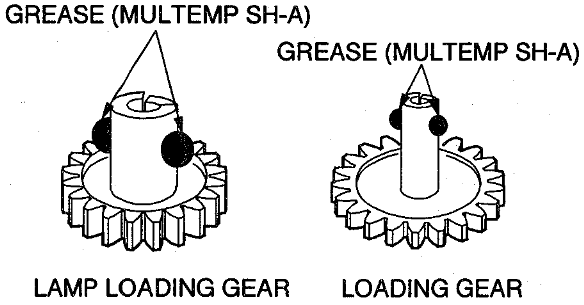


Fig. 2-20-2

2-21 CAM GEAR (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CAM GEAR (TU) shown in Fig. 2-21-1 with tweezers, etc. to remove the CAM GEAR (TU).

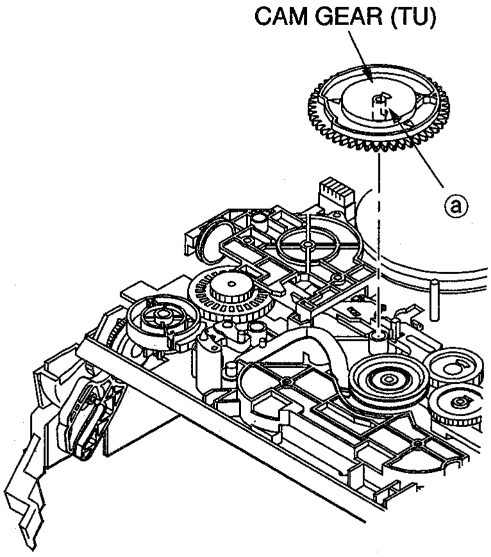


Fig. 2-21-1

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-21-2 on the new CAM GEAR (TU).
2. Set the CAM GEAR (SP) shown in Fig. 2-21-3 so that the Δ mark on the part A of it points to the centre of the LOADING GEAR.
3. Install the CAM GEAR (TU) shown in Fig. 2-21-3 so that the Δ mark on the part B of it points to the centre of the LAMP LOADING GEAR.

Apply GREASE (MULTEMP SH-A) to the area ●.

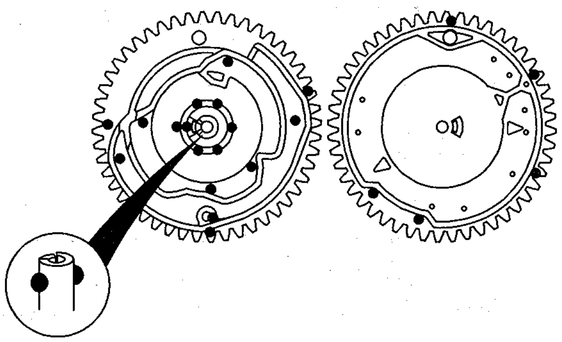


Fig. 2-21-2

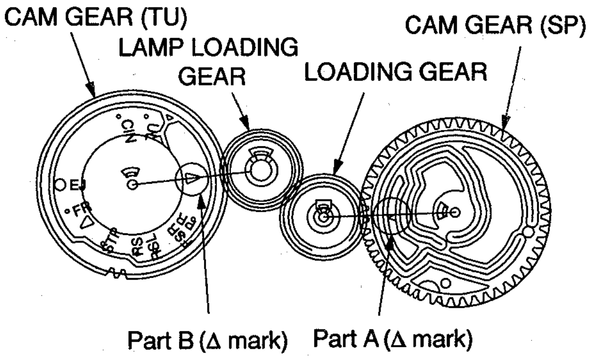

CAM GEAR (TU)
LAMP LOADING GEAR
LOADING GEAR
CAM GEAR (SP)
Part B (Δ mark)
Part A (Δ mark)

Fig. 2-21-3

2-22 PHOTO UNIT, REEL GEAR UNIT (TU), REEL GEAR UNIT (SP)

Place the set upside down.

(Removal)

1. Move the REC LEVER shown in Fig. 2-14 in the direction shown by arrow Ⓐ. Unfasten the two catches (ⓐ and ⓑ) of the PHOTO UNIT and the two catches (ⓒ and ⓓ) of the MAIN PLATE ASSY shown in Fig. 2-22-1 to remove the PHOTO UNIT.
2. Remove the REEL GEAR UNIT (TU) shown in Fig. 2-22-1.
3. Remove the REEL GEAR UNIT (SP) shown in Fig. 2-22-1.

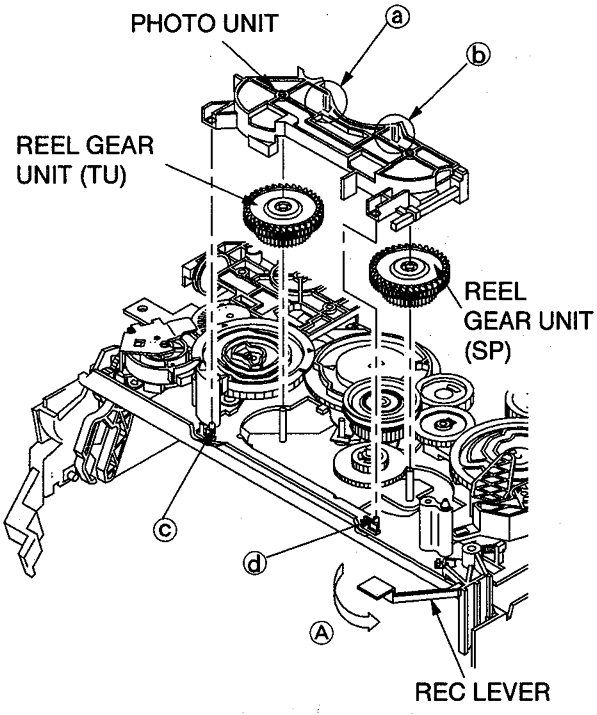


PHOTO UNIT
ⓐ
ⓑ
REEL GEAR UNIT (TU)
REEL GEAR UNIT (SP)
ⓒ
ⓓ
Ⓐ
REC LEVER

Fig. 2-22-1

(Installation)

1. Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-22-2 in which the REEL GEAR UNIT (SP) of the MAIN PLATE ASSY is to enter.
2. Install the REEL GEAR UNIT (SP) shown in Fig. 2-22-2.

Note: Make sure the colour of the spring according to the table in Fig. 2-22-2 in installing the REEL GEAR UNIT (SP).

3. Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-22-2 in which the REEL GEAR UNIT (TU) of the MAIN PLATE ASSY is to enter.
4. Install the REEL GEAR UNIT (TU) shown in Fig. 2-22-1.

Note: Make sure the colour of the spring according to the table in Fig. 2-22-2 in installing the REEL GEAR UNIT (TU).

5. Apply a small quantity of OIL (FLOIL 948P) [859D154020] to the area specified in Fig. 2-22-3 on the new PHOTO UNIT.
6. Install the PHOTO UNIT shown in Fig. 2-22-1.

Part Name	Colour of Spring
REEL GEAR UNIT (SP)	Gold
REEL GEAR UNIT (TU)	Silver

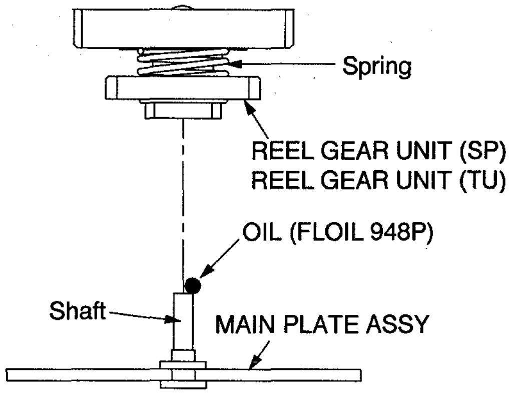

Spring
REEL GEAR UNIT (SP)
REEL GEAR UNIT (TU)
OIL (FLOIL 948P)
Shaft
MAIN PLATE ASSY

Fig. 2-22-2

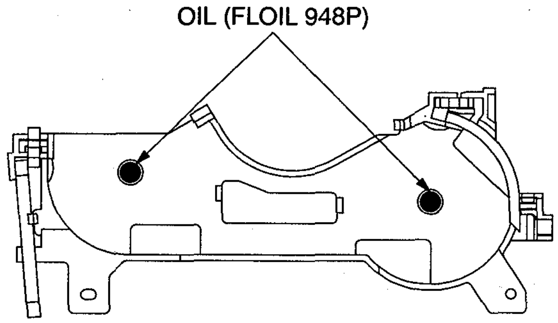

OIL (FLOIL 948P)

Fig. 2-22-3

2-23 IDLER CENTRE LEVER

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)

(Removal)

1 Remove the IDLER CENTRE LEVER shown in Fig. 2-23-1.

(Installation)

1 Insert the part A of the IDLER CENTRE LEVER shown in Fig. 2-23-2 into the part B of the IDLER UNIT to install the IDLER CENTRE LEVER.

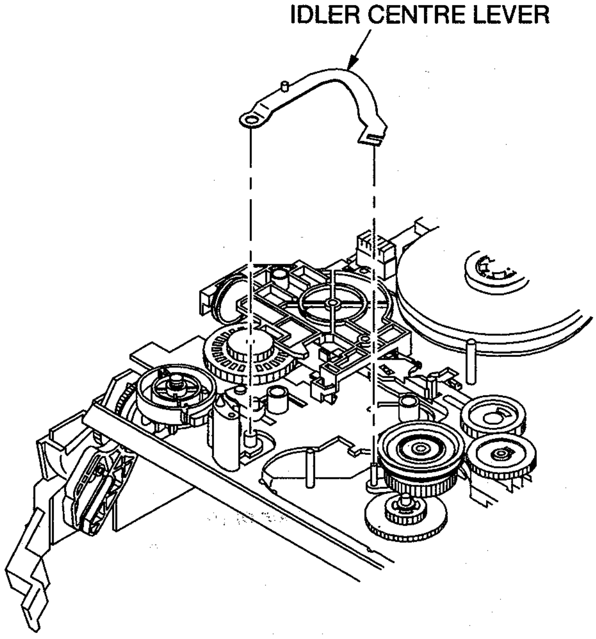


Fig. 2-23-1

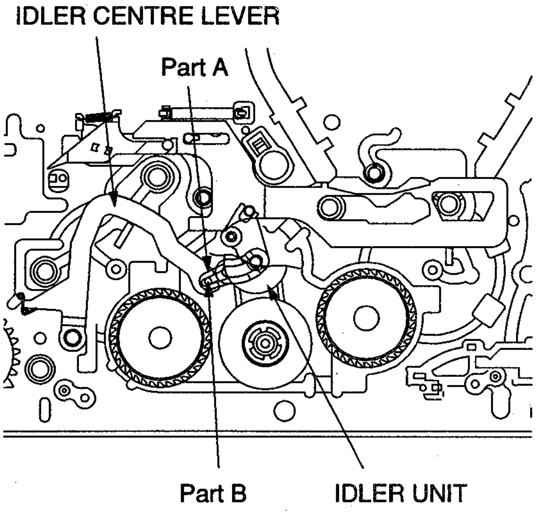


Fig. 2-23-2

2-24 PULLEY GEAR, IDLER UNIT

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)
- IDLER CENTRE LEVER (Para. 2-23)

(Removal)

1. Remove the PULLEY GEAR shown in Fig. 2-24-1.
2. Remove the IDLER UNIT shown in Fig. 2-24-1.

(Installation)

1. Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-24-1 in which the IDLER UNIT is to enter.
2. Apply OIL (FLOIL 948P) [859D154020] to the area specified in Fig. 2-24-1 on the new IDLER UNIT .
3. Install the IDLER UNIT shown in Fig. 2-24-1.
4. Install the PULLEY GEAR shown in Fig. 2-24-1.

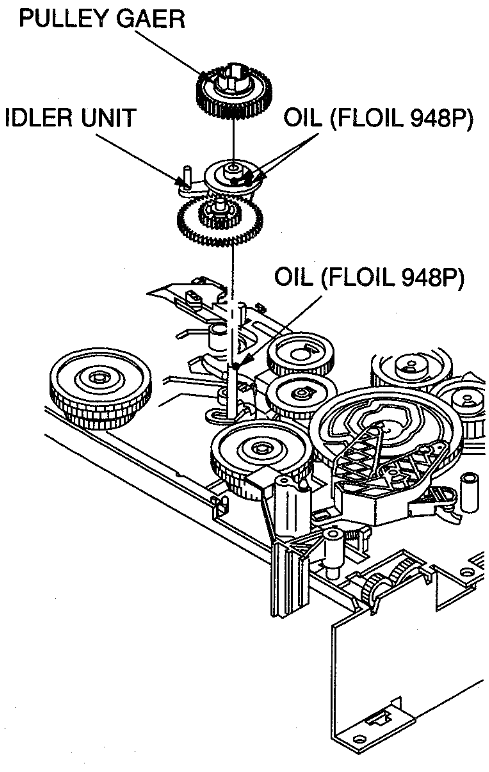


Fig. 2-24-1

2-25 F/L ARM UNIT (SP)

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)

(Removal)

1. Fully move the F/L ARM UNIT (SP) in the direction shown by arrow Ⓐ as shown in Fig. 2-25-1.
2. Unfasten the catch (ⓐ) of the F/L ARM UNIT (SP) shown in Fig. 2-25-1 to remove the F/L ARM UNIT (SP).

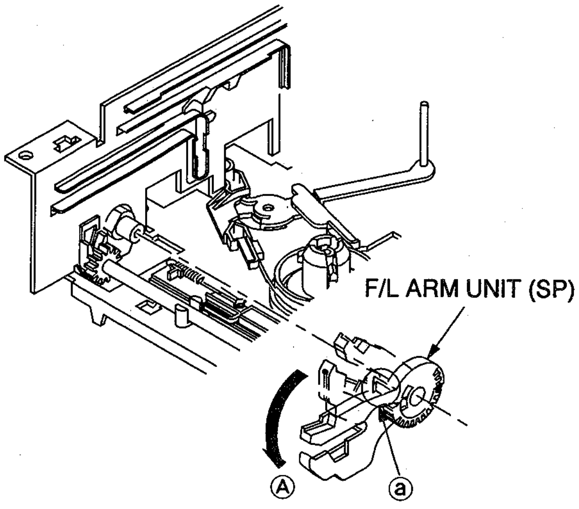


Fig. 2-25-1

(Installation)

1 Fully move the F/L ARM UNIT (TU) in the direction shown by arrow Ⓐ as shown in Fig. 2-26-1.

2 Install the F/L ARM UNIT (SP) so that the gear of the F/L ARM UNIT (SP) and that of the SYNC GEAR ASSY are engaged as shown in Fig. 2-25-2.

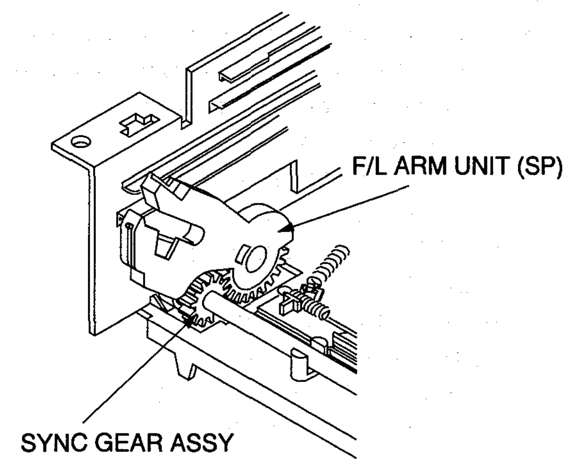


Fig. 2-25-2

2-26 F/L ARM UNIT (TU)

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L DRIVE LEVER (Para. 2-17)

(Removal)

1 Fully move the F/L ARM UNIT (TU) in the direction shown by arrow Ⓐ as shown in Fig. 2-26-1.

2 Unfasten the catch (ⓐ) of the F/L ARM UNIT (TU) shown in Fig. 2-26-1 to remove the F/L ARM UNIT (TU).

(Installation)

1 Fully move the F/L ARM UNIT (SP) shown in Fig. 2-25-1 in the direction shown by arrow Ⓐ.

2 Install the F/L ARM UNIT (TU) in the position shown in Fig. 2-26-2.

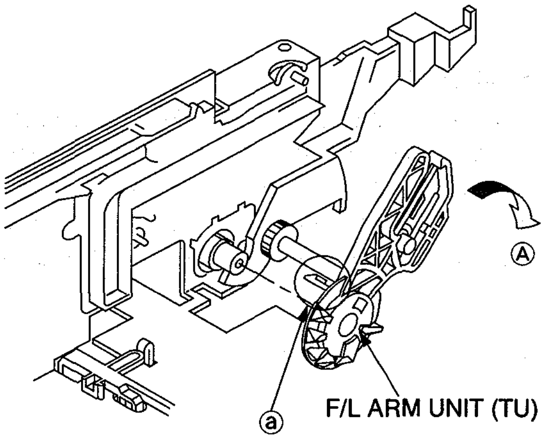
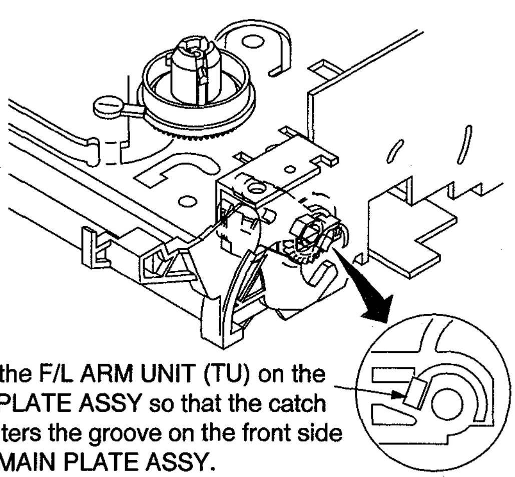


Fig. 2-26-1



Install the F/L ARM UNIT (TU) on the MAIN PLATE ASSY so that the catch of it enters the groove on the front side of the MAIN PLATE ASSY.

Fig. 2-26-2

2-27 SYNC GEAR ASSY

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L ARM UNIT (SP) (Para. 2-25)
- F/L ARM UNIT (TU) (Para. 2-26)

(Removal)

1 Unfasten the catch (ⓐ) of the MAIN PLATE ASSY as shown in Fig. 2-27-1. Move the SYNC GEAR ASSY in the direction shown by the arrow Ⓐ to remove it.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-27-2 on the MAIN PLATE ASSY.

2 Move the SYNC GEAR ASSY shown in Fig. 2-27-1 in the opposite direction against the arrow Ⓐ to install it.

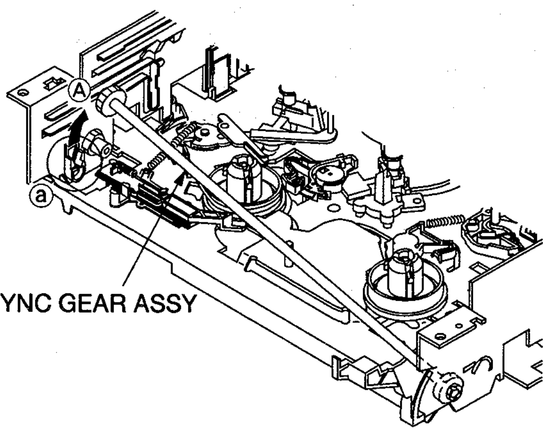


Fig. 2-27-1

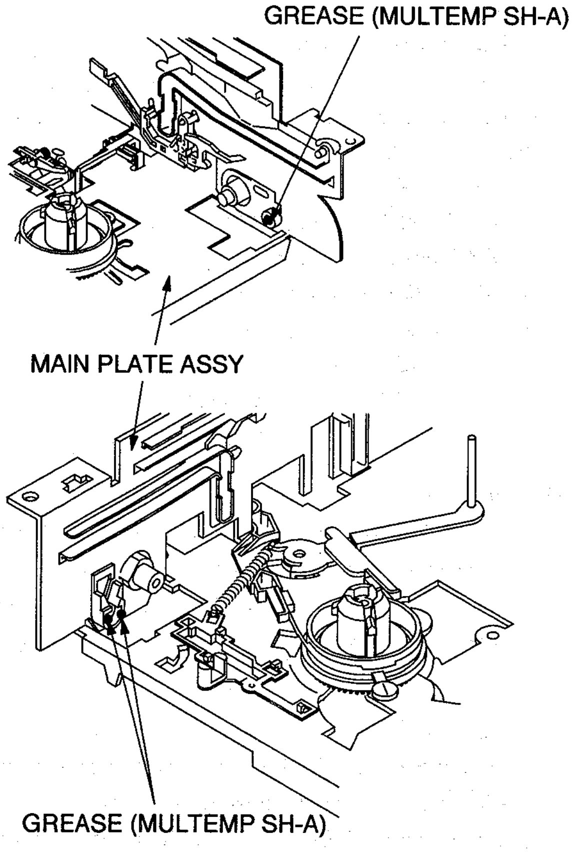


Fig. 2-27-2

2-28 F/L DOOR ARM

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L ARM UNIT (SP) (Para. 2-25)
- F/L ARM UNIT (TU) (Para. 2-26)
- SYNC GEAR ASSY (Para. 2-27)

(Removal)

1 Remove the F/L DOOR ARM shown in Fig. 2-28.

(Installation)

1 Install the F/L DOOR ARM shown in Fig. 2-28.

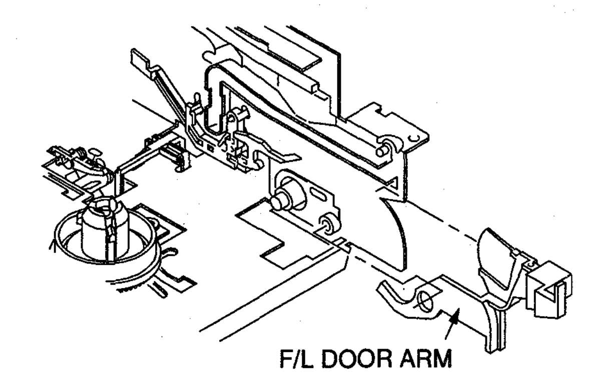


Fig. 2-28

2-29 WIND LEVER UNIT

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- CONTROL WIND LEVER (Para. 2-18)

(Removal)

1 Move the WIND LEVER UNIT in the direction shown by the arrow to remove it as shown in Fig. 2-29-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-29-2 on the MAIN PLATE ASSY.

2 Set the WIND LEVER UNIT so that each of three notches (Ⓐ, Ⓑ and Ⓒ) on it respectively matches with the corresponding catch (ⓐ, ⓑ and ⓒ) of the MAIN PLATE ASSY as shown in Fig. 2-29-1. Move the WIND LEVER UNIT in the opposite direction to the arrow to install it.

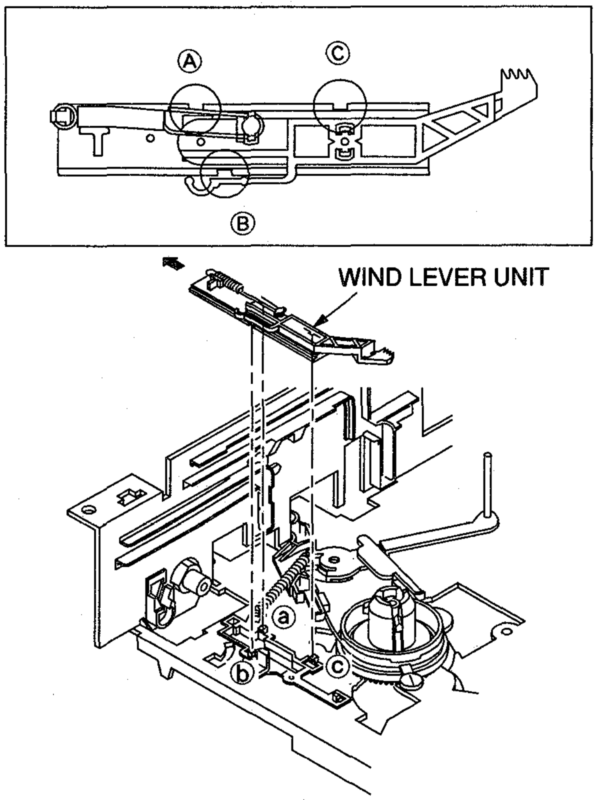
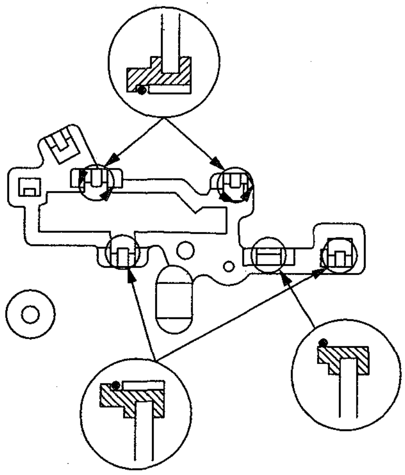


Fig. 2-29-1



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-29-2

2-30 LOADING LOCK SPRING, LOADING LOCK LEVER

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- MODE POSITION GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)

(Removal)

1 Remove the part A of the LOADING LOCK SPRING shown in Fig. 2-30-1 through the hole of the MAIN PLATE ASSY.

2 Move the LOADING LOCK LEVER in the direction shown by arrow Ⓐ with pushing the part B of it to remove the LOADING LOCK LEVER and LOADING LOCK SPRING as shown in Fig. 2-30-1.

(Installation)

1 Attach the LOADING LOCK SPRING shown in Fig. 2-30-2 to the LOADING LOCK LEVER.

2 Move the part A of the LOADING LOCK SPRING shown in Fig. 2-30-2 in the direction shown by arrow Ⓑ. Hook the part A of the LOADING LOCK SPRING on the catch of the part B of the LOADING LOCK LEVER.

3 Install the LOADING LOCK LEVER with the LOADING LOCK SPRING attached shown in Fig. 2-30-1 on the MAIN PLATE ASSY.

4 Insert the part A of the LOADING LOCK SPRING shown in Fig. 2-30-1 into the hole of the LOADING LOCK SPRING.

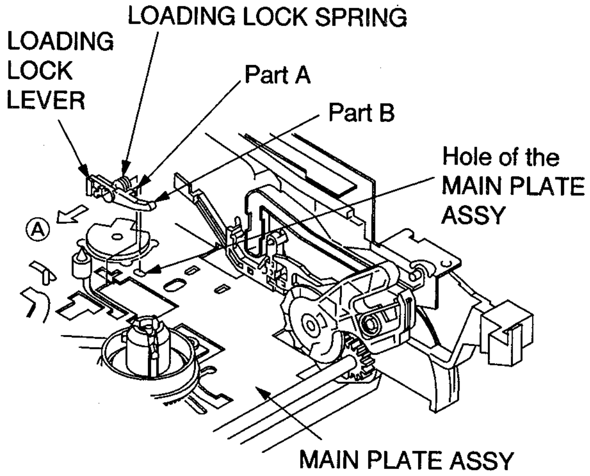

LOADING LOCK SPRING
LOADING LOCK LEVER
Part A
Part B
Hole of the MAIN PLATE ASSY
Ⓐ
MAIN PLATE ASSY

Fig. 2-30-1

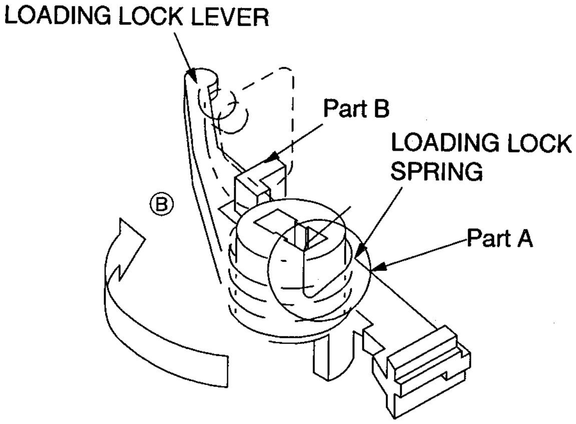

LOADING LOCK LEVER
Part B
LOADING LOCK SPRING
Part A
Ⓑ

Fig. 2-30-2

2-31 CAPSTAN MOTOR

Place the set upside down.
Before performing replacement in this paragraph, remove the following part. Refer to the applicable paragraph for installation the part.

- REEL BELT (Para. 2-15)

(Removal)

1 Unscrew the three CAPSTAN MOTOR fastening screws (ⓐ, ⓑ and ⓒ) shown in Fig. 2-31-1 to remove the CAPSTAN MOTOR.

(Installation)

1 Set the CAPSTAN MOTOR in the position shown in Fig. 2-31-2 to install it.

Note : Take care not to damage the shaft of the CAPSTAN MOTOR during installation.

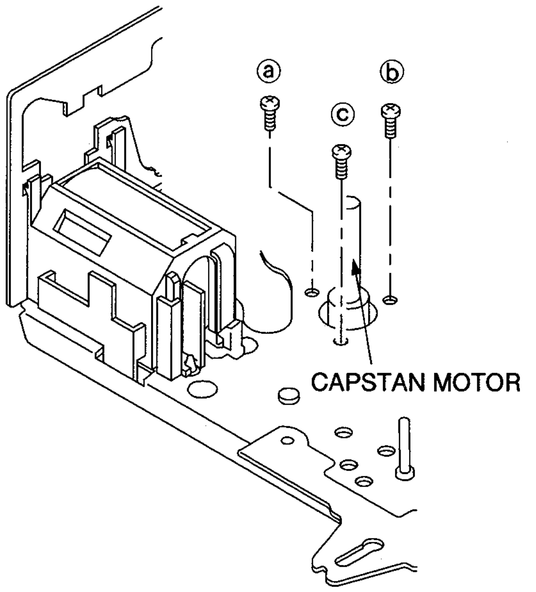


Fig. 2-31-1

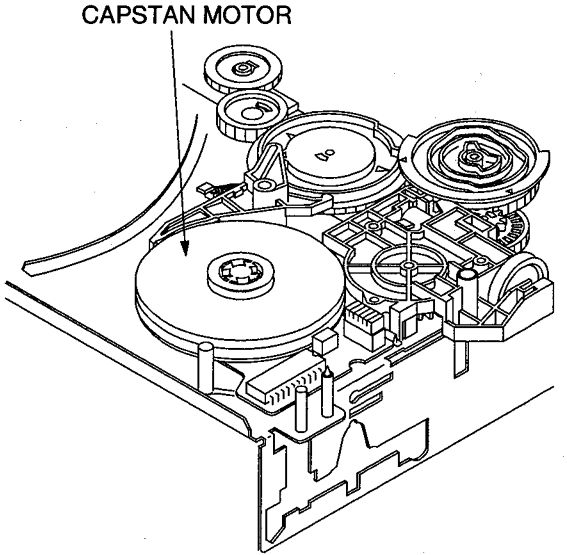


Fig. 2-31-2

2-32 CAM GEAR (SP)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CAM GEAR (SP) shown in Fig. 2-32-1 with tweezers, etc. to remove the CAM GEAR (SP).

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-32-2 on the new CAM GEAR (SP).

2 Set the CAM GEAR (TU) shown in Fig. 2-32-3 so that the Δ mark on the part B points to the centre of the LAMP LOADING GEAR.

3 Set the CAM GEAR (SP) shown in Fig. 2-32-3 so that the Δ mark on the part A points to the centre of the boss into which the LOADING GEAR is to enter and install it.

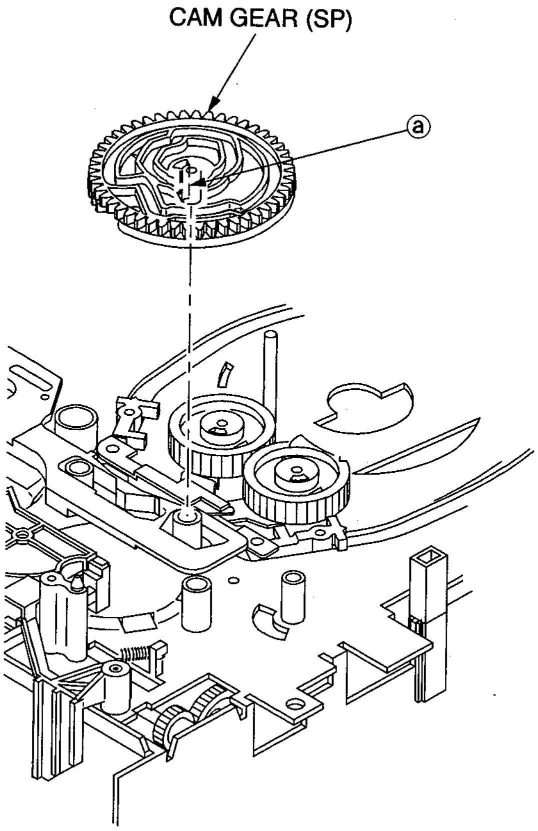
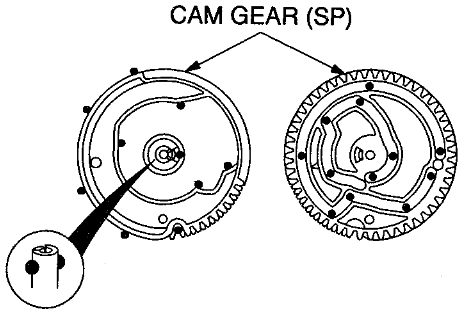


Fig. 2-32-1



Apply GREASE (MULTEMP SH-A) to the area ● .

Fig. 2-32-2

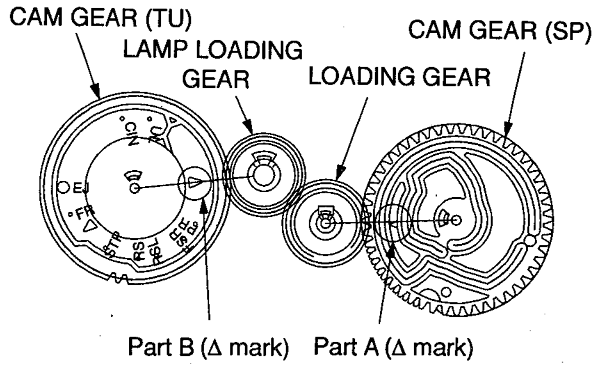

CAM GEAR (TU)
LAMP LOADING GEAR
LOADING GEAR
CAM GEAR (SP)
Part B (Δ mark)
Part A (Δ mark)

Fig. 2-32-3

2-33 LOADING ARM UNIT (TU), LOADING ARM UNIT (SP)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- CAM GEAR (SP) (Para. 2-32)

(Removal)

1. Unscrew the two MAIN PLATE SUPPORT fastening screws (ⓐ and ⓑ) shown in Fig. 2-33-1 to remove the MAIN PLATE SUPPORT.
2. Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the loading position.
3. Unfasten the catch (ⓒ) on the surface of the LOADING ARM UNIT (TU) shown in Fig. 2-33-1 with tweezers, etc. to remove the LOADING ARM UNIT (TU).
4. Unfasten the catch (ⓓ) on the surface of the LOADING ARM UNIT (SP) shown in Fig. 2-33-1 with tweezers, etc. to remove the LOADING ARM UNIT (SP).

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-33-2 on the new LOADING ARM UNIT (SP).
2. Install the LOADING ARM UNIT (SP) shown in Fig. 2-33-1.
3. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-33-2 on the new LOADING ARM UNIT (TU).

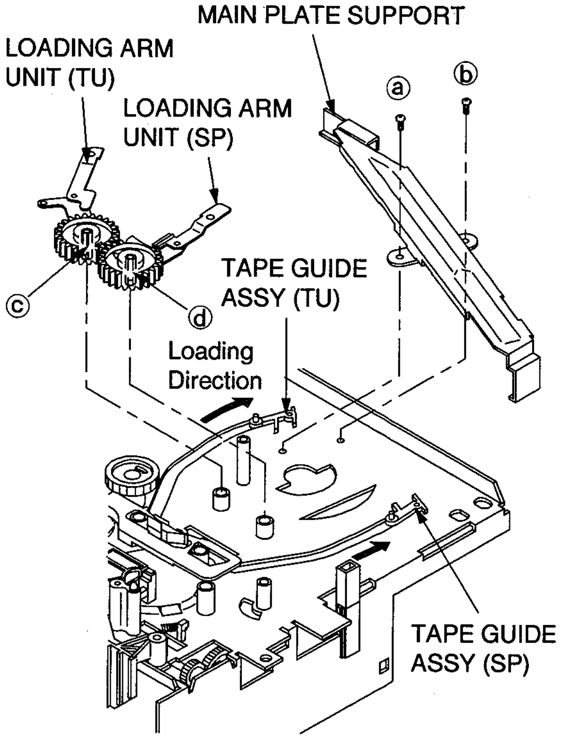
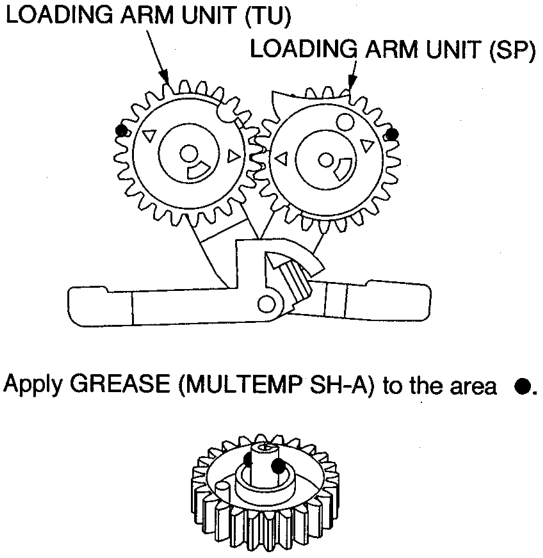

MAIN PLATE SUPPORT
LOADING ARM UNIT (TU)
LOADING ARM UNIT (SP)
ⓐ
ⓑ
ⓒ
ⓓ
TAPE GUIDE ASSY (TU)
Loading Direction
TAPE GUIDE ASSY (SP)

Fig. 2-33-1


LOADING ARM UNIT (TU)
LOADING ARM UNIT (SP)

Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-33-2

4 Set the LOADING ARM UNIT (TU) shown in Fig. 2-33-3 so that the Δ mark of it matches with the Δ mark of the LOADING ARM UNIT (SP) and install it.

5 Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the unloading position.

6 Install the MAIN PLATE SUPPORT shown Fig. 2-33-1.

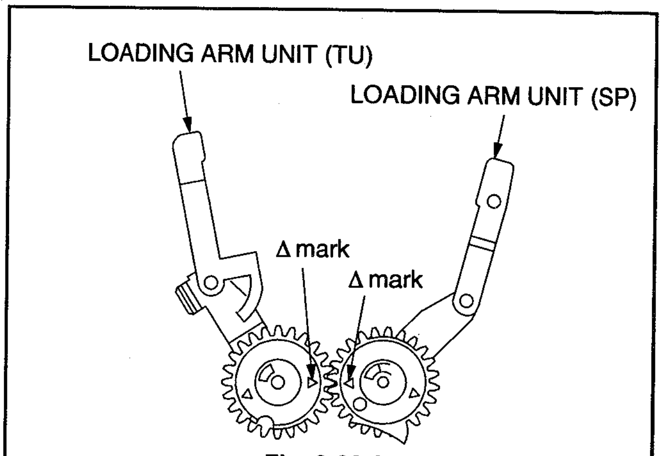


Fig. 2-33-3

2-34 CAM SPRING (C), CAM PLATE UNIT (C)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- CAM GEAR (SP) (Para. 2-32)

(Removal)

1 Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the loading position.

2 Remove the CAM SPRING (C) shown in Fig. 2-34-1.

3 Move the CAM PLATE UNIT (C) in the direction shown by arrow Ⓐ to remove it as shown in Fig. 2-34-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-34-2 on the new CAM PLATE UNIT (C).

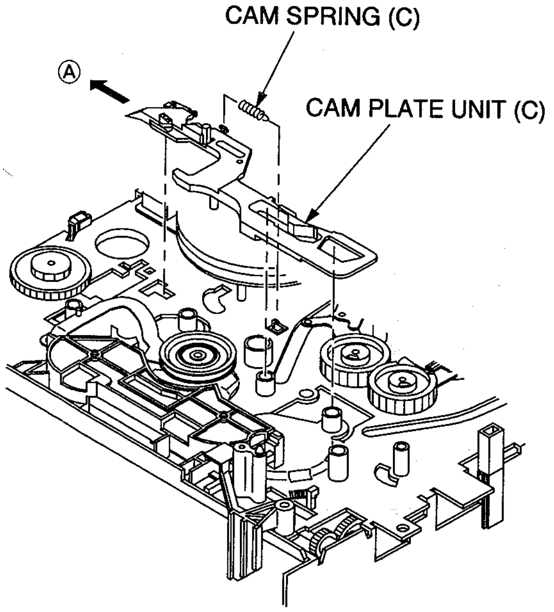
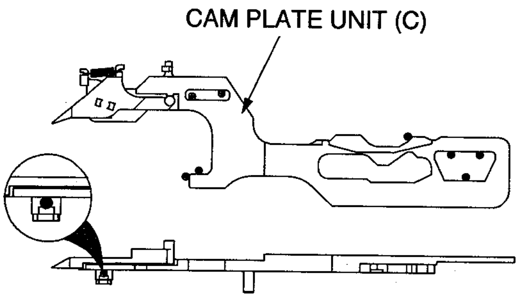


Fig. 2-34-1



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-34-2

2 Install the CAM PLATE UNIT (C) shown in Fig. 2-34-3 so that the pin (ⓐ) of it enters the part A of the SHIFT LEVER.
3 Install the CAM SPRING (C) shown in Fig. 2-34-1.
4 Move the TENSION ARM shown in Fig. 2-34-4 fully to the direction shown by the arrow. Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the unloading position.

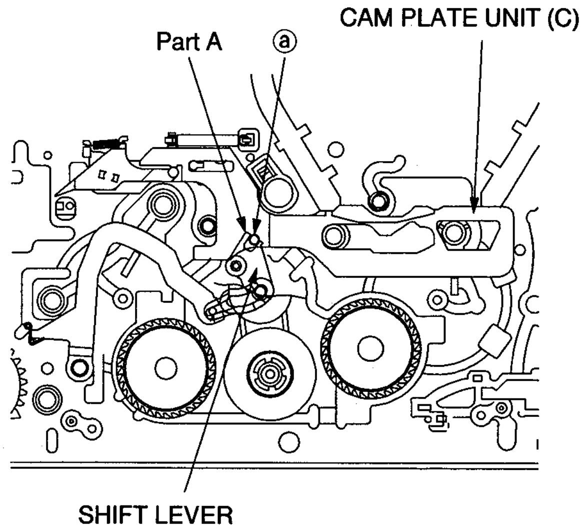


Fig. 2-34-3

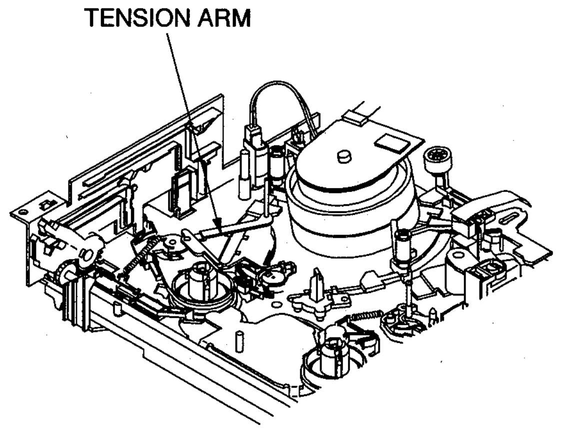


Fig. 2-34-4

2-35 TAPE GUIDE ASSY (SP), TAPE GUIDE ASSY (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- CAM GEAR (SP) (Para. 2-32)
- LOADING ARM UNIT (TU) (Para. 2-33)
- LOADING ARM UNIT (SP) (Para. 2-33)
- CAM SPRING (C) (Para. 2-33)
- CAM PLATE UNIT (C) (Para. 2-34)

(Removal)

1 Move the TAPE GUIDE ASSY (SP) shown in Fig. 2-35-1 fully to the unloading position to remove it.
2 Move the TAPE GUIDE ASSY (TU) shown in Fig. 2-35-1 fully to the unloading position to remove it.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-35-2 on the MAIN PLATE ASSY .
2 Install the TAPE GUIDE ASSY (TU) shown in Fig. 2-35-1.
3 Install the TAPE GUIDE ASSY (SP) shown in Fig. 2-35-1.
4 Perform adjustments from "GUIDE ROLLER Adjustment" in Item 3-2-1 to "Check of FM Waveform Flatness" in Item 3-2-5 of "Interchangeability Adjustment of the Mechanism".

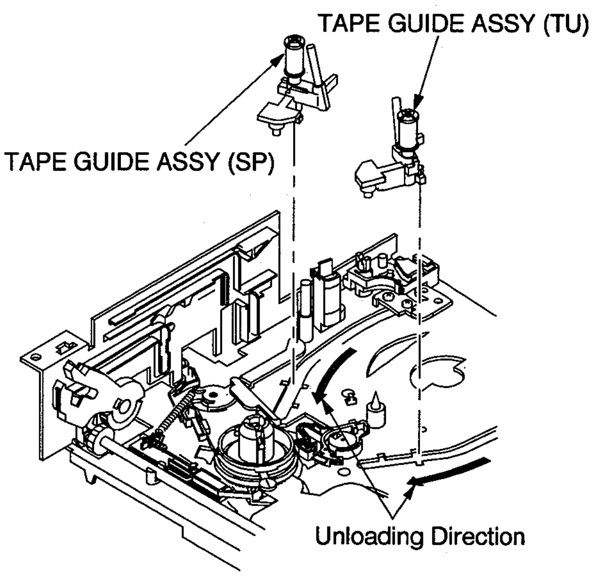


Fig. 2-35-1

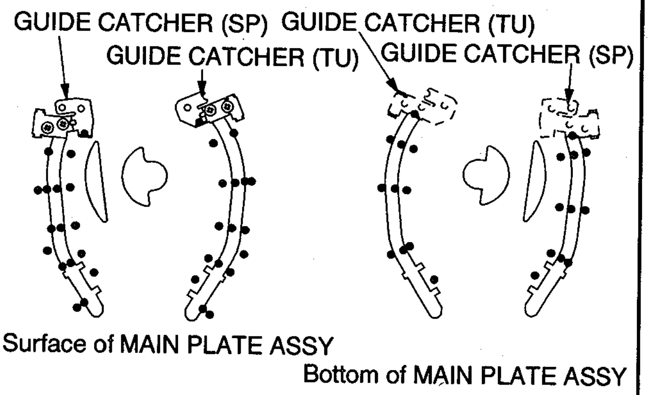
2-36 GUIDE ROLLER (SP), GUIDE ROLLER (TU)

(Removal)

1 Loosen the GUIDE ROLLER (SP) fastening screw (ⓐ) with a L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (SP) shown in Fig. 2-36-1 lightly turns.
2 Counter-clockwise turn the height adjustment screw (ⓑ) at the top of the GUIDE ROLLER (SP) shown in Fig. 2-36-1 with a height adjustment screw driver to remove the GUIDE ROLLER (SP).
3 Loosen the GUIDE ROLLER (TU) fastening screw (ⓒ) so that the GUIDE ROLLER (TU) shown in Fig. 2-36-1 lightly turns.
4 Counter-clockwise turn the height adjustment screw (ⓓ) at the top of the GUIDE ROLLER (TU) shown in Fig. 2-36-1 with an Adjustment Driver (859C259080) to remove the GUIDE ROLLER (TU).

(Installation)

1 Insert the GUIDE ROLLER (TU) shown in Fig. 2-36-1 into the installation hole on the TAPE GUIDE ASSY (TU).
2 Clockwise turn the height adjustment screw (ⓓ) at the top of the GUIDE ROLLER (TU) shown in Fig. 2-36-2 with an Adjustment Driver (859C259080) so that the GUIDE ROLLER (TU) is at a height of 25.2 mm above the reference plane.
3 Lightly screw the GUIDE ROLLER (TU) fastening screw (ⓒ) shown in Fig. 2-36-1.
4 Insert the GUIDE ROLLER (SP) shown in Fig. 2-36-1 into the installation hole on the TAPE GUIDE ASSY (SP).
5 Clockwise turn the height adjustment screw (ⓑ) at the top of the GUIDE ROLLER (SP) shown in Fig. 2-36-2 with an Adjustment Driver (859C259080) so that the GUIDE ROLLER (SP) is at a height of 25.1 mm above the reference plane.
6 Lightly screw the GUIDE ROLLER (SP) fastening screw (ⓐ) shown in Fig. 2-36-1.
7 Perform "Check and Adjustment of the FM Envelope" in Para. 3-2 of "Interchangeability Adjustment of the Mechanism".
8 Clean the GUIDE ROLLER (SP) and GUIDE ROLLER (TU) with DRY GAUZE.


GUIDE CATCHER (SP)
GUIDE CATCHER (TU)
GUIDE CATCHER (TU)
GUIDE CATCHER (SP)
Surface of MAIN PLATE ASSY
Bottom of MAIN PLATE ASSY

Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-35-2

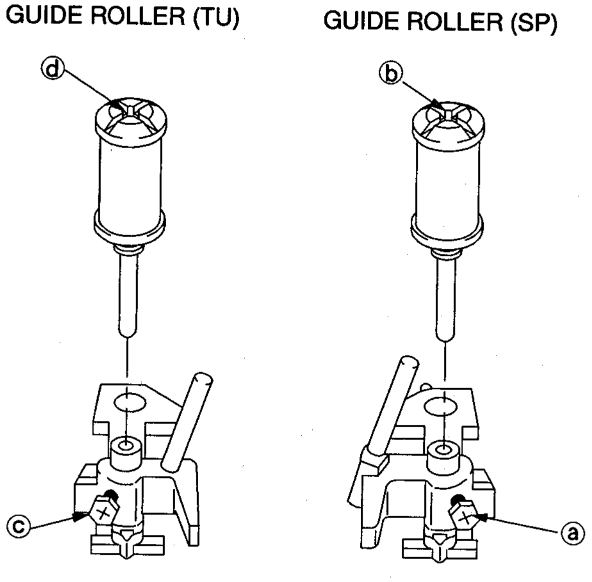

GUIDE ROLLER (TU)
GUIDE ROLLER (SP)
ⓓ
ⓑ
ⓒ
ⓐ

Fig. 2-36-1

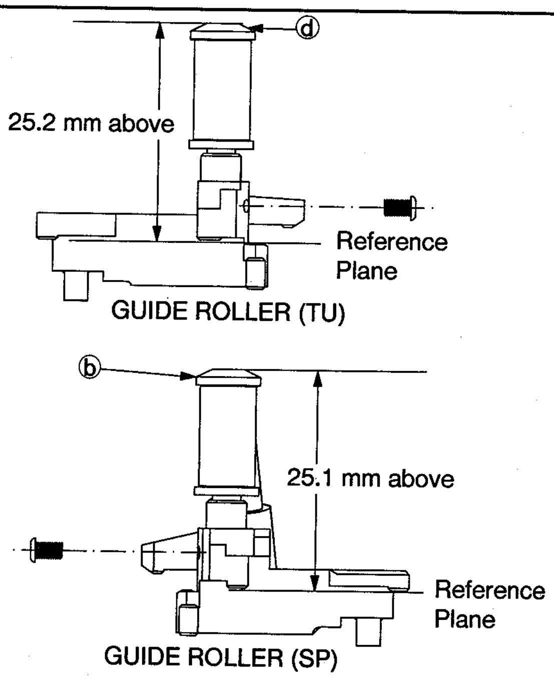

ⓓ
25.2 mm above
Reference Plane
GUIDE ROLLER (TU)
ⓑ
25.1 mm above
Reference Plane
GUIDE ROLLER (SP)

Fig. 2-36-2

2-37 DRUM CLAMPER, DRUM ASSY

(Removal)

1 Disconnect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-37-1.

2 Unscrew the two DRUM CLAMPER fastening screws (ⓐ and ⓑ) shown in Fig. 2-37-1 to remove the DRUM ASSY with the DRUM CLAMPER attached.

3 Move the DRUM CLAMPER in the direction shown by the arrow to remove it from the DRUM ASSY as shown in Fig. 2-37-2.

4 If the product is provided with the SHIM shown in Fig. 2-37-1, remove and scrap it.

(Installation)

Note : When replacing the DRUM ASSY, do not install the SHIM.

1 Attach the DRUM CLAMPER shown in Fig. 2-37-2 to the DRUM ASSY.

2 Install the DRUM ASSY with the DRUM CLAMPER attached shown in Fig. 2-37-1 on the MAIN PLATE ASSY.

Note : In installing the DRUM CLAMPER shown in Fig. 2-37-1, first install the screw ⓑ and then install the screw ⓐ.

3 Connect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-37-1.

4 Perform adjustment of "Playback Switching Point" described in ELECTRICAL ADJUSTMENTS.

5 Perform "Interchangeability Adjustment of the Mechanism".

6 Clean the DRUM ASSY shown in Fig. 2-37-1 with alcohol.

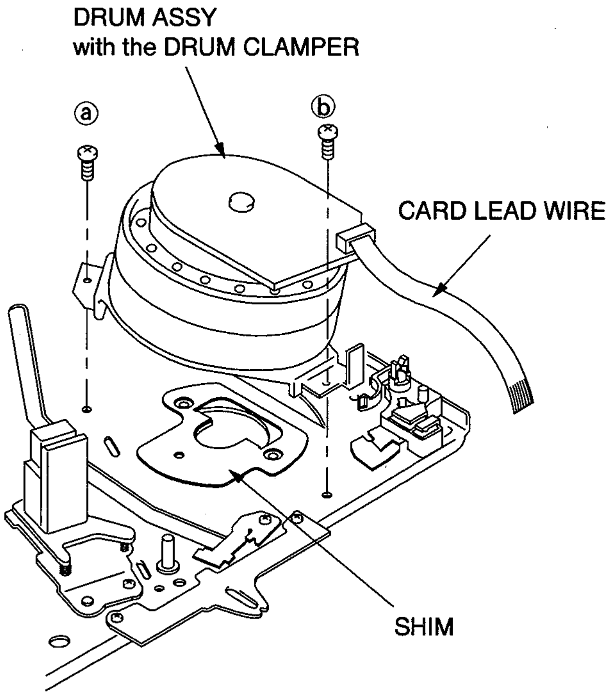

DRUM ASSY
with the DRUM CLAMPER
ⓐ
ⓑ
CARD LEAD WIRE
SHIM

Fig. 2-37-1

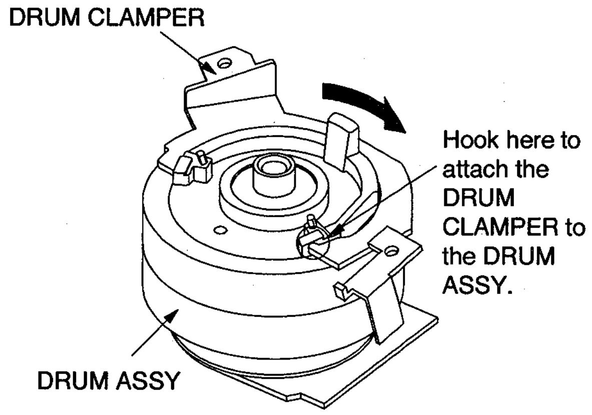

DRUM CLAMPER
Hook here to attach the DRUM CLAMPER to the DRUM ASSY.
DRUM ASSY

Fig. 2-37-2

2-38 DRUM MOTOR STATOR, BRUSH SPRING, ROTOR CASE, END RING, BRUSH, UPPER DRUM ASSY, SPACER

Position the set normally.

(Removal)

1. Disconnect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-38-1.
2. Unscrew the two DRUM MOTOR STATOR fastening screws (ⓐ and ⓑ) shown in Fig. 2-38-1 to remove the DRUM MOTOR STATOR.
3. Unscrew the two ROTOR CASE fastening screws (ⓒ and ⓓ) shown in Fig. 2-38-1 to remove the ROTOR CASE.
4. Loosen the END RING fastening screw (ⓔ) [hexagon screw] shown in Fig. 2-38-1 to remove the END RING.
5. Remove the BRUSH SPRING shown in Fig. 2-38-1.
6. Remove the BRUSH shown in Fig. 2-38-1.
7. Remove the UPPER DRUM ASSY shown in Fig. 2-38-1.
8. Remove the SPACER shown Fig. 2-38-1.

(Installation)

1. Install the SPACER shown in Fig. 2-38-1.

Note : Do not use any other SPACER than the one enclosed with the new UPPER DRUM ASSY for replacement.

2. Install the UPPER DRUM ASSY shown in Fig. 2-38-1.
3. Install the END RING shown in Fig. 2-38-1 so that the reference hole (Ⓐ) of the END RING is located in parallel with the rear line of the MAIN PLATE ASSY shown in Fig. 2-38-2.
(Install the reference hole (Ⓐ) to the right of the rear MAIN PLATE ASSY.)
4. Apply screw sealing agent to the END RING fastening screw (ⓔ) [hexagon screw] shown in Fig. 2-38-1.

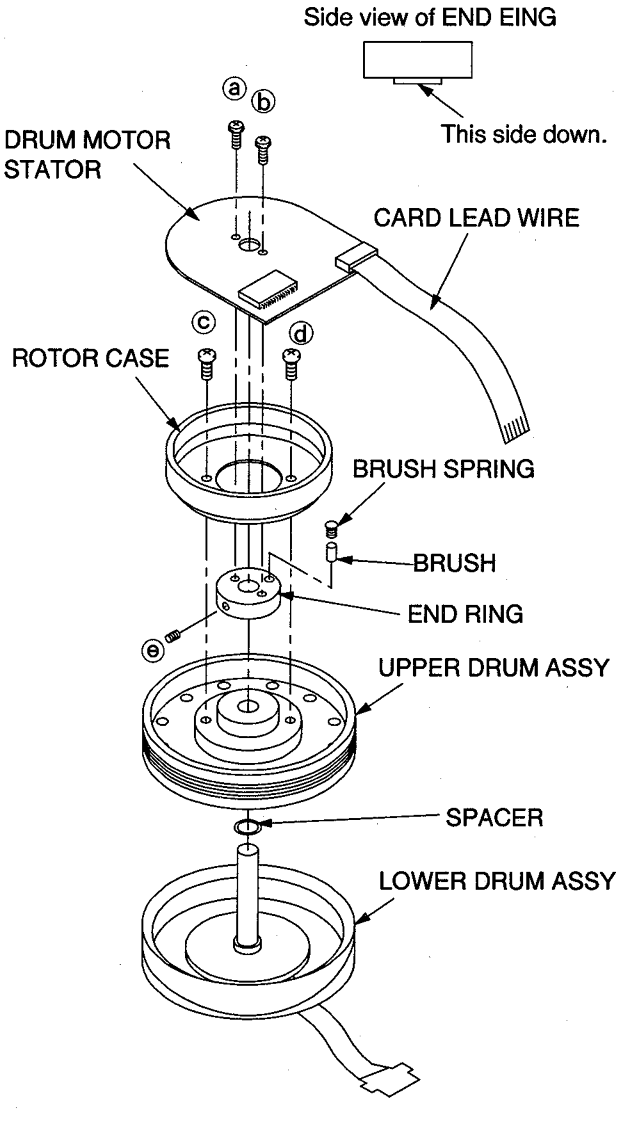

Side view of END EING
This side down.
ⓐ
ⓑ
DRUM MOTOR STATOR
CARD LEAD WIRE
ⓒ
ⓓ
ROTOR CASE
BRUSH SPRING
BRUSH
END RING
ⓔ
UPPER DRUM ASSY
SPACER
LOWER DRUM ASSY

Fig. 2-38-1

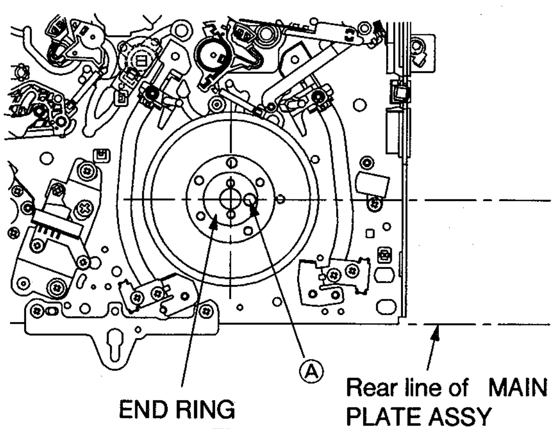

Ⓐ
Rear line of MAIN PLATE ASSY
END RING

Fig. 2-38-2

5 Install the ROTOR CASE shown in Fig. 2-38-1 so that the reference holes (Ⓐ) match each other at three points between the ROTOR CASE shown in Fig. 2-38-3 and the UPPER DRUM ASSY.
6 Install the BRUSH shown in Fig. 2-38-1.
7 Install the BRUSH SPRING shown in Fig. 2-38-1.
8 Install the DRUM MOTOR STATOR shown in Fig. 2-38-1.
9 Connect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-38-1.
10 Perform adjustment of "Playback Switching Point" described in ELECTRICAL ADJUSTMENTS of applicable service manual.
11 Perform "Interchangeability Adjustments of the Mechanism".
12 Clean the DRUM ASSY with alcohol.

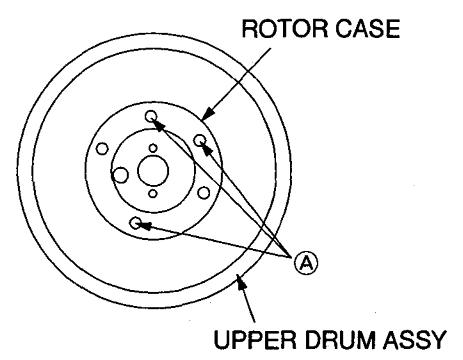


Fig. 2-38-3

2-39 SHIFT LEVER

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- BELT PULLEY (Para. 2-15)
- SHIFT SPRING (Para. 2-15)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)
- IDLER CENTRE LEVER (Para. 2-23)
- PULLEY GEAR (Para. 2-24)
- IDLER UNIT (Para. 2-24)
- CAM GEAR (SP) (Para. 2-32)
- CAM SPRING (C) (Para. 2-34)
- CAM PLATE UNIT (C) (Para. 2-34)

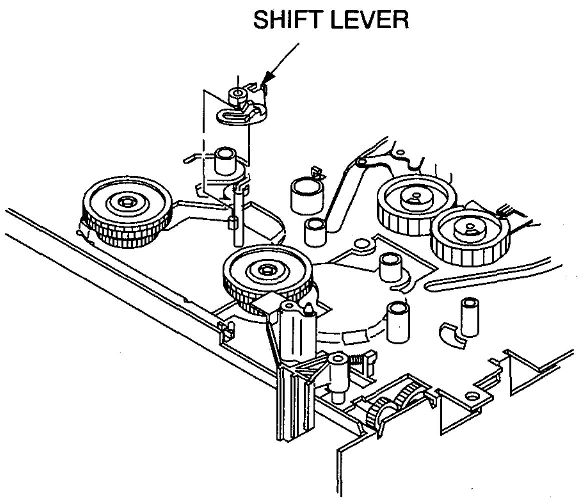


Fig. 2-39-1

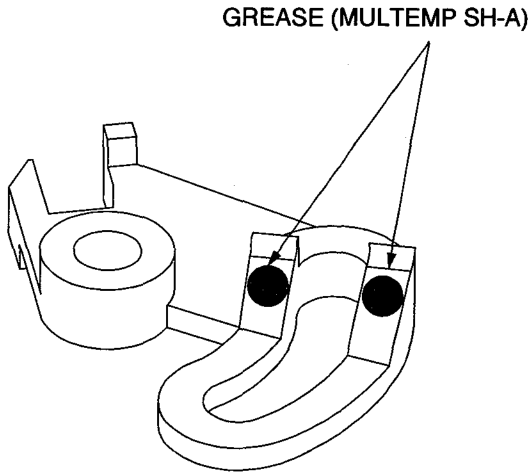


Fig. 2-39-2

(Removal)

1 Remove the SHIFT LEVER shown in Fig. 2-39-1.

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055O80] to the area of the new SHIFT LEVER shown in Fig. 2-39-2.
2 Install the SHIFT LEVER shown in Fig. 2-39-1.

2-40 IMPEDANCE UNIT (SP), FLYWHEEL (SP)

Position the set normally.

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) securing the IMPEDANCE UNIT (SP) shown in Fig. 2-40 and remove the FLYWHEEL (SP).

2 Remove the one screw (ⓒ) securing the IMPEDANCE UNIT (SP) shown in Fig. 2-40 and remove the IMPEDANCE UNIT (SP).

(Installation)

1 Install the IMPEDANCE UNIT (SP) shown in Fig. 2-40.

2 Install the FLYWHEEL (SP) shown in Fig. 2-40.

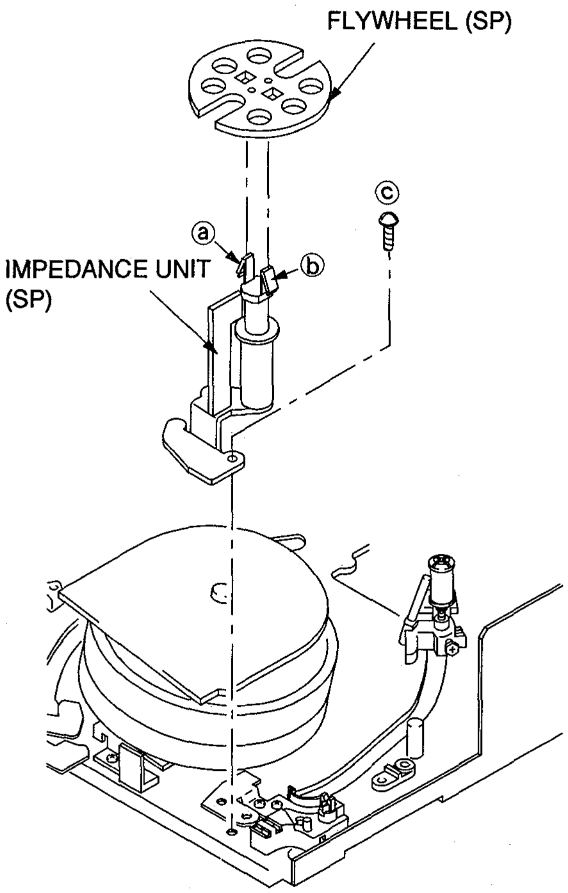


Fig. 2-40

3. Interchangeability Adjustment of the Mechanism

Note 1 : Tracking may need to be preset during interchangeability adjustment of the mechanism. Digital tracking is preset by short circuiting TP5A and TP5B on the PCB-MAIN.

Note 2 : The adjustments are performed in the playback mode, using the staircase signal of an alignment tape. Connect an oscilloscope to TP2A and external Trigger from TP2H, unless otherwise specified.

3-1 Adjustment of BACK TENSION and TENSION PIN Position

Run a blank tape for several minutes to break in the REEL DISKs and the transport before making the adjustment.

1. Playback an Alignment Tape.
   [PM6KH3 : 859C339030]
2. Make sure that the TENSION PIN is in the position shown in Fig. 3-1.
3. If the TENSION PIN is not in the position specified in Fig. 3-1, turn the boss to set the TENSION PIN to be in position.
4. Insert the Back Tension Gauge (859C345080) and set the VCR to the playback mode.
5. Make sure that the reading of the Back Tension Gauge (859C345080) is within 50 ± 6 g/cm.

Note : Before the measurement, make sure that the tape travel has become steady.
If the reading exceeds the specified value, replace the TENSION SPRING.

6. While tape travel is steady, check visually to make sure that the vibration range of the TENSION PIN is 1 mm or less.
   If the vibration range exceeds the specified value, replace the REEL DISK.

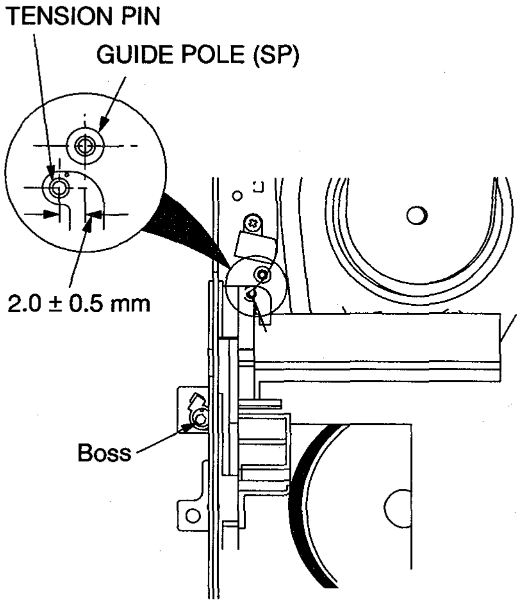


Fig. 3-1

3-2 Check and Adjustment of the FM Envelope

3-2-1 GUIDE ROLLER Adjustment

IMPORTANT

The Guide Rollers are secured by a hexagon screw, however, this screw, does not require to be loosened for adjustments to be made.

1 Playback an Alignment Tape.
[PM6KH3 : 859C339030]

2 Preset tracking.

3 Make sure that the FM waveform is flat like A.

4 Perform "Adjustment of GUIDE ROLLER (SP) Height" in Item 3-2-2 if the leading portion (the entry side of the DRUM) of the FM waveform is like B or C. Perform "Adjustment of GUIDE ROLLER (TU) Height" in Item 3-2-3 if the trailing portion (the exit side of the DRUM) is like D or E.

3-2-2 Adjustment of GUIDE ROLLER (SP) Height

1 Loosen the screw with an L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (SP) rotates freely.

2 Observe the leading edge (the entry side of the DRUM) of the FM waveform. If it is like B, the GUIDE ROLLER (SP) may be lower than the specified position, and if it is like C, the GUIDE ROLLER (SP) may be higher. Turn the adjustment screw at the top of the GUIDE ROLLER (SP) so that the FM waveform becomes flat like A.
   - Counter-clockwise turn the adjusting screw if the roller is low.
   - Clockwise turn the adjusting screw if the roller is high.

3 Tighten the screw.

4 Perform "Coarse Adjustment of Phase" in Item 3-2-4.

3-2-3 Adjustment of GUIDE ROLLER (TU) Height

1 Loosen the screw with an L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (TU) rotates freely.

2 Observe the trailing edge (the exit side of the DRUM) of the FM waveform. If it is like D, the GUIDE ROLLER (TU) may be lower than the specified position, and if it is like E, the GUIDE ROLLER (TU) may be higher. Turn the adjustment screw at the top of the GUIDE ROLLER (TU) so that the FM waveform becomes flat like A.
   - Counter-clockwise turn the adjustment screw if the roller is low.
   - Clockwise turn the adjustment screw if the roller is high.

3 Tighten the screw .

4 Perform "Coarse Adjustment of Phase" in Item 3-2-4.

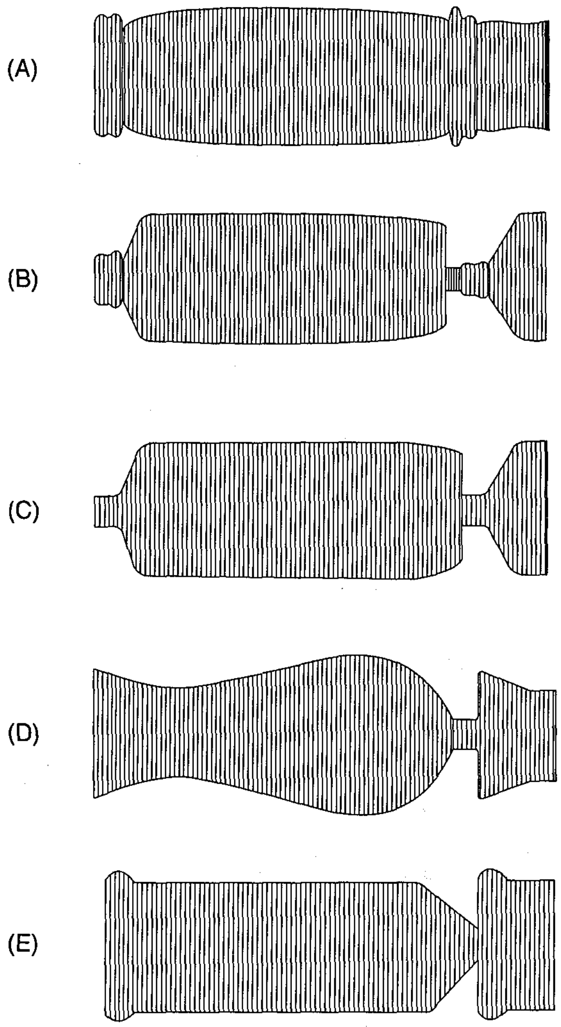


Fig. 3-2-1

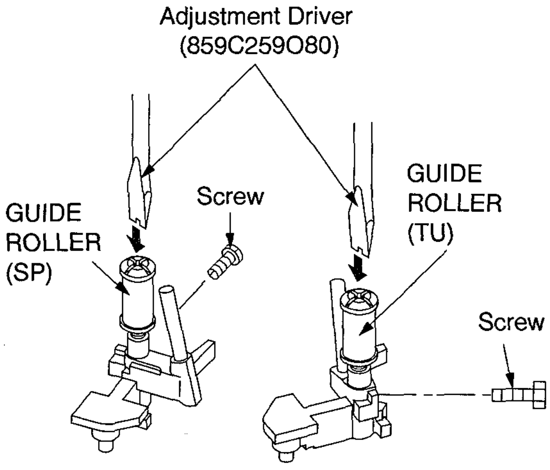


Fig. 3-2-2

3-2-4 Coarse Adjustment of Phase

1. Play back an Alignment Tape.
   [PM6KH3 : 859C339030]
2. Preset tracking.
3. Check the FM waveform after performing "GUIDE ROLLER Adjustment" in Item 3-2-1.
4. If the amplitude of the FM waveform is narrow like F because of out of phase, adjust it to the maximum like G in Fig. 3-2-4, by the following procedure.
   Loosen the screws D and E and insert a screw driver into the plastic boss of the MAIN PLATE ASSY.
   Move the A/C PLATE right and left to adjust the amplitude level of the FM waveform to the maximum. [Waveform G in Fig. 3-2-4]
5. Tighten the screws D and E.

3-2-5 Check of FM Waveform Flatness

1. Playback an Alignment Tape.
   [PM6KH3 : 859C339030]

Note : Perform the following procedure for selection of tracking method (manual or automatic) and for tracking adjustment.
- Turn the JOG dial while pressing the O.K.PROG. button on the VCR during playback.
- To switch from manual tracking back to automatic digital tracking, press the O.K.PROG. button on the VCR during playback.

2. Select the manual tracking mode.
   Change tracking and make sure that the amplitude is changeable while the FM signal remains flat.
3. Adjust the tracking so that the amplitude level of the FM waveform is maximum. Set the oscilloscope so that the amplitude level of the FM waveform is 5 divisions.
4. Adjust tracking so that the peak value of the FM waveform is 4 divisions. Check if the FM waveforms B, C, D and E are within the specified values shown in Fig. 3-2-5.
5. If the waveform is not within the specified value, repeat the procedure in Item 3-2 "Check and adjustment of the FM Envelope" from the beginning.

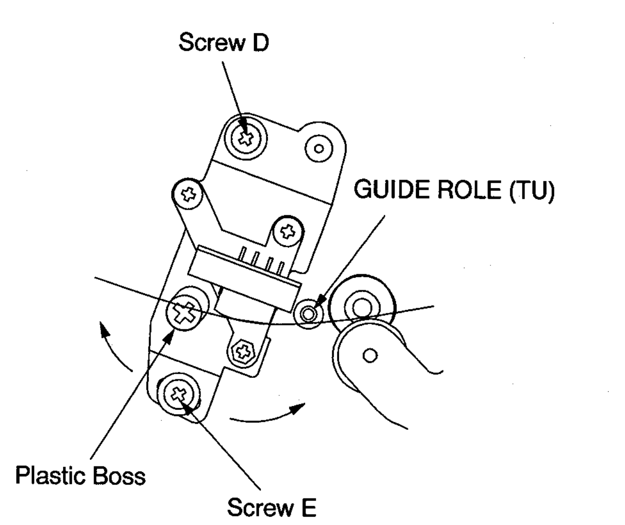


Fig. 3-2-3

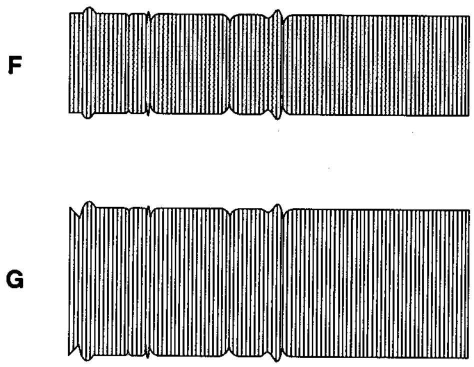
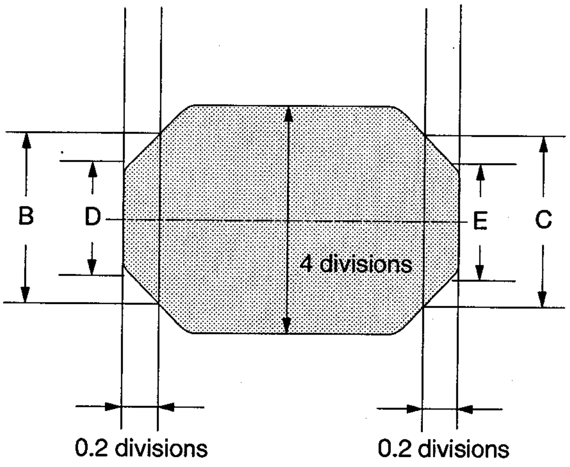


Fig. 3-2-4



B, C	At least 2.8 of the scale
D, E	At least 2.0 of the scale

Fig. 3-2-5

3-2-6 Tape Running Condition at the GUIDE ROLLERs (Check 1)

1 Playback an Alignment Tape.
[PM6KH3 : 859C339O30]
2 Visually check if there is a space between the tape and the lower flanges of the GUIDE ROLLER (SP) and GUIDE ROLLER (TU).
3 If there is no space, replace the ASSY TAPE GUIDE (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 in "Replacement of Major Parts".
4 Alternately load and unload the tape several times, check that flatness of the FM waveform does not change.
5 If flatness changes, check the installation condition of the A/C HEAD. If it is abnormally installed, replace the A/C HEAD UNIT according to para. 2-4 and perform "Coarse Adjustment of Phase" in Item 3-2-4 again.

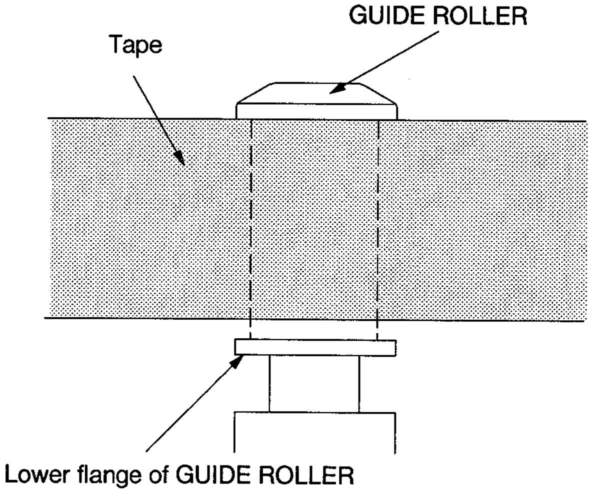


Fig. 3-2-6

3-2-7 Tape Running Condition at the GUIDE ROLLERs (Check 2)

1 Playback an Alignment Tape.
[PM6KH3 : 859C339O30]
2 Lightly press and release the top of the GUIDE ROLLER (SP) and GUIDE ROLLER (TU). Check that the FM waveform is quickly restored to the previous level.
3 Replace the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 in "Replacement of Major Parts".

3-3 Adjustment of A/C HEAD

3-3-1 Adjustment of A/C HEAD Slant

1. Playback a blank tape.
2. Slowly turn the adjusting screw C counter-clockwise to slightly crease the bottom of the tape at the flange portion of GUIDE POLE (TU) .
3. Slowly return the adjusting screw C to remove the crease.
4. Slowly turn the adjusting screw C counter-clockwise again and stop it just before the tape is creased.

3-3-2 Adjustment of A/C HEAD Azimuth and Height

1. If the height of the CONTROL HEAD is different from the specified value in Fig. 3-3-2, adjust it with the adjusting screw A.
2. After adjustment with the screw A, perform "Adjustment of A/C HEAD Slant" in Item 3-3-1 again.
3. Connect the oscilloscope to the audio output terminal.
4. Playback an Alignment Tape.
   [PM6KH3 : 859C339030]
5. Adjust the audio output level to the maximum by turning the Azimuth adjusting screw B shown in Fig. 3-3-1.
   After the adjustment, pull out the screw driver and check if the audio output level is 4.6 divisions or more, where the maximum audio output level is set to 5.
   If the audio output level is less than 4.6, repeat the procedure 1 ~ 5.
6. Push the A/C HEAD to the right and left (in the direction A and A' in Fig. 3-3-1) and then release it. Check that the audio output level does not change. (Do not push the A/C HEAD such a degree that the audio output level is reduced less than 3/4 of its maximum value.)
7. Check that the change in the audio output level is less than 2 dB.
8. If the change exceeds 2 dB, perform "Adjustment of A/C HEAD Slant" in Item 3-3-1 and this adjustment.
9. If the above procedure of adjustment proves to be unsatisfactory, replace the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 (Replacement of Major Parts).

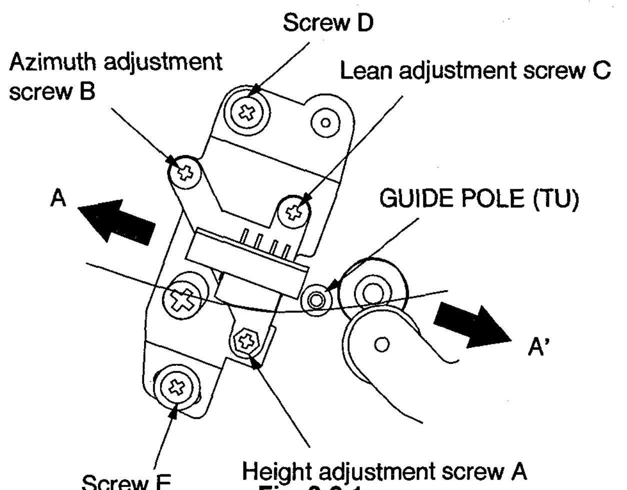

Screw D
Azimuth adjustment screw B
Lean adjustment screw C
A
GUIDE POLE (TU)
A'
Screw E
Height adjustment screw A

Fig. 3-3-1

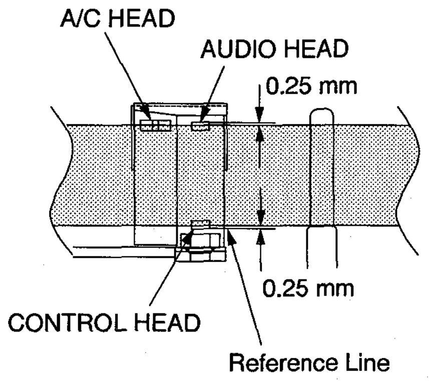

A/C HEAD
AUDIO HEAD
0.25 mm
0.25 mm
CONTROL HEAD
Reference Line

Fig. 3-3-2

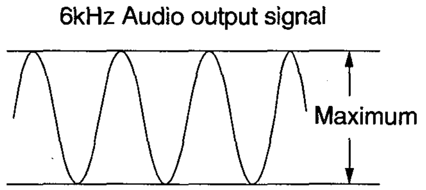

6kHz Audio output signal
Maximum

Fig. 3-3-3

3-4 Adjustment of Phase

1. Set the VCR to the playback mode.
   (Use the Alignment Tape specified below to perform adjustment 1~4).
   [PM3KE6 (CH1) 25 : 859C568050]
2. Preset tracking.
3. Loosen the screws D and E and insert a screw driver into the plastic boss of the MAIN PLATE ASSY. Move the A/C PLATE right and left to adjust the FM output waveform to the maximum.
4. Tighten the screws D and E.
5. Playback the Alignment Tape.
   [PMX : 859C568070]
6. Connect TP2A (the FM waveform output) and the audio output terminal to the oscilloscope, external Trig. to TP2H, and check if the missing portions of the FM waveform and that of the audio waveform are within the specified value (field). (Refer to Fig. 3-4-2.)
7. If they are not within the specified value, repeat the procedure 3.
8. Turn the normal tracking control to adjust the FM waveform for maximum and set the oscilloscope so that the waveform is "5" divisions. (Refer to Note in Para. 3-2-5 about tracking adjustment.)
9. Preset tracking.
10. Check that the FM waveform on the oscilloscope is "4.8" or more divisions.
11. If the FM waveform is below "4.8" divisions, perform this adjustment after tracking preset.
12. Push the A/C HEAD to the right and left (in the direction of A-A' in Fig. 3-4-1) and then release the A/C HEAD. Check that the amplitude of the FM waveform does not change from that before shifting the A/C HEAD.
13. When the FM waveform Varies in amplitude level, check the mounting position of the A/C HEAD UNIT. If the portion is incorrect, correct the position following Item 2-4 "A/C HEAD UNIT" perform Item 3-3 "Adjustment of A/C HEAD" and repeat this adjustment from the beginning.
14. Alternately load and unload the tape several times to check that the amplitude of the FM waveform does not change.

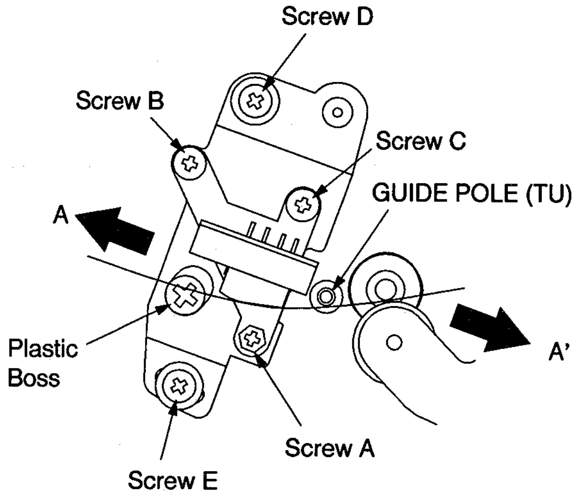


Fig. 3-4-1

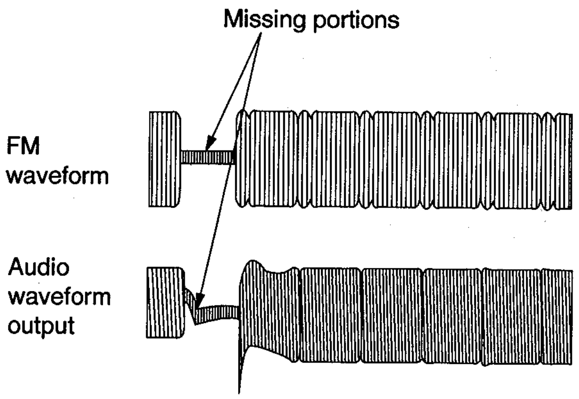


Fig. 3-4-2

3-5 Adjustment of GUIDE ARM ASSY (TU) Height

1 Run a final portion of E-240 blank tape in the reverse search mode.

2 Tighten the NYLON NUT of the GUIDE ARM ASSY (TU) with a box driver to lower the GUIDE ARM ASSY (TU) until the tape is creased at the lower flange of the GUIDE POLE (TU). Then slowly return the NYLON NUT, stop it at the point where the crease is removed. (During adjustment, use an uncovered cassette tape, or raise the cover so that the adjustment is available.)

Note : During adjustment, turn the NYLON NUT in the loosening direction. Do not turn the NYLON NUT more than ± 1/2 turn.

3 Eject and insert the cassette tape, and then set the VCR to the reverse search mode again. Check that the tape is not creased at the lower flange of the GUIDE POLE (TU). If the crease cannot be removed, repeat the procedure 1 ~ 3.

4 Set the VCR to the playback mode and check that the tape is not creased at the lower flange of the GUIDE POLE (TU). If the crease cannot be removed, repeat "Adjustment of A/C HEAD Slant" in Item 3-3-1 and the succeeding adjustments.

5 Run the start portion of E-180 blank tape in the forward search mode and check that the tape is not creased at the GUIDE POLE (TU).

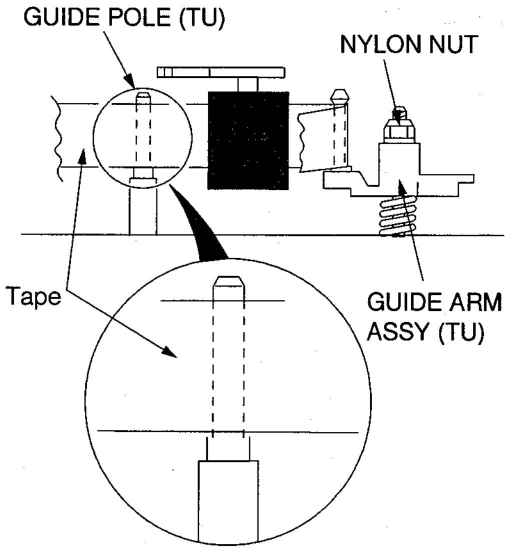


Fig. 3-5

4. Servicing for Tape Jamming during the Loading Process

1 Remove the DECK ASSY.

2 If the tape is caught in the mechanical parts to lock it, remove the tape.

3 If the TAPE GUIDE ASSY is in a status for loading, turn the LOADING MOTOR ASSY shown in Fig. 4 in the direction shown by arrow Ⓐ and move the TAPE GUIDE ASSY fully to the loading direction.

4 Turn the CAPSTAN MOTOR shown in Fig. 4 in the direction shown by arrow Ⓑ to wind the tape up within the cassette.

5 Turn the LOADING MOTOR ASSY shown in Fig. 4 in the direction shown by arrow Ⓐ to eject the tape.

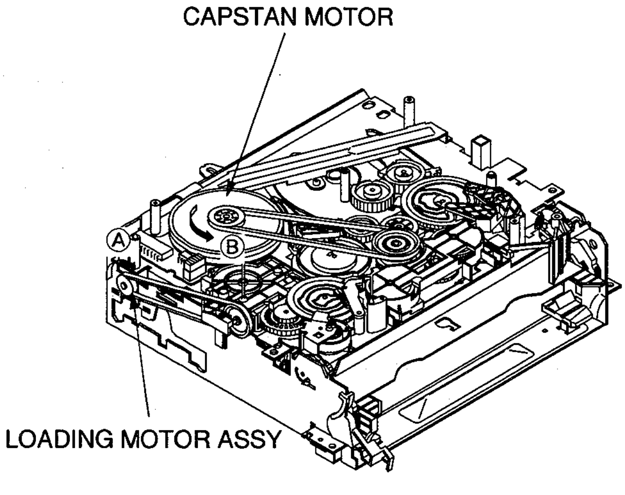


Fig. 4

GLOSSARY OF ABBREVIATIONS

A.E	: Audio Erase
A/C-H	: Audio / Control Head
A-FF	: Audio Flip Flop from Servo Circuit
A-PB	: Audio-Play Back
A-REC	: Audio-Recording
ACC	: Automatic Chroma Control
AFC	: Automatic Frequency Control
AFT	: Automatic Fine Tuning
AGC	: Automatic Gain Control
ALC	: Automatic Level Control
AMP	: Amplifier
ANT	: Antenna
APC	: Automatic Phase Control
ATT	: Attenuator
B/W	: Black and White
BPF	: Band-Pass Filter
BS	: Band Switch
BU	: Back Up
C-LAMP	: Cassette Lamp
C-ROT	: Chroma Rotation
CASS	: Cassette
CE	: Chip Enable
CG	: Character Generator
CK	: Clock
CL	: Clear
CNT	: Counter
CONV	: Converter
CP	: Capstan
CP-F/R	: Capstan-Forward/Reverse
CP-FG	: Capstan-Frequency Generator
CP-M	: Capstan-Motor
CP-OUT	: Capstan Motor Control Out
CS	: Cassette Switch or Chip Select
CTL	: Control
D-FF	: Drum Flip Flop from Servo Circuit
D-M	: Drum Motor
D-OUT	: Drum Motor Control Out
DEMOD	: Demodulator
DET	: Detector
DL	: Delay Line
DOC	: Drop Out Compensator
DOP	: Drop Out Pulse
DTR	: Digital Tracking
EE	: Electronic-Electronic
EF	: Emitter Follower
EMPHA	: Emphasis
EP	: Extended Play
EQ	: Equalizer
ES	: End Sensor
F/R	: Forward/Reverse
F/R-SW	: FF/Rewind Switch
FE-H	: Full Erase Head
FF	: Fast Forward
FG	: Frequency Generator
FL-SW	: Front Loading Switch
FLCONT	: Flying Erase Head Control
FLM	: Front Loading Motor
FM	: Frequency Modulator
FS	: Forward Search
G	: Ground
H-LED	: Humidity-LED
H-SENS	: Humidity-Sensor
H-SYNC	: Horizontal Synchronizing Signal
HA	: Head Amplifier
HE	: Hall Element
HP	: Head Phone
HPF	: High-Pass Filter
LED	: Light Emitting Diode
LIM	: Limitter
LM	: Loading Motor
LP	: Long Play
LPF	: Low-Pass Filter
MC	: Mechanical Control
MDA	: Motor Drive Amplifier
MIC	: Microphone
MM	: Mono-Multivibrator
MOD	: Modulator
$\overline{\mathbf{N}}$	: Not Normal
NL DEEMP	: Non Linear Deemphasis
NR	: Non Regulated or Noise Reduction
O-PWV	: ON/OFF Command to supply B + Power
OPE	: Operation
OSC	: Oscillator
OTR	: One Touch Recording
P/R	: Playback/Record
P/R-SW	: Playback/Record-Switch
PB	: Play Back
PCB	: Printed Circuit Board
PG	: Pulse Generator
PIC	: Picture Control
PLL	: Phase Locked Loop
PSC	: Pulse Swallow Control
PWM	: Pulse Width Modulation
PWV	: ON/OFF Command to supply B + Power
REC	: Recording
REC-1, REC-2	: Record Command for the PB/REC Control Circuit
REF	: Reference
REG	: Regulator
REM	: Remaining Time or Remote Control
REW	: Rewind
RIS	: Record Inhibit Switch
RS	: Reverse Search
S/P	: Still/Pause
SENS	: Sensor
SL	: Slow
SP	: Standard Play
SP-SENS	: Supply Reel Sensor
SS	: Start Sensor
STBY	: Stand By
T.P	: Test Point
T-REC	: Timer-Record
TM	: Take up Motor
TR	: Transistor or Tracking
TU-SENS	: Take Up Reel Sensor
UL	: Unload
V-SYNC	: Vertical Synchronizing Signal
VCO	: Voltage Controlled Oscillator
VS	: Voltage Synthesizer
VXO	: Variable Crystal Oscillator
W/D	: White/Dark
X'OSC	: Crystal Oscillator
Y/C	: Luminance/Chrominance
YNR	: Y Noise Reduction

CHIP PARTS REPLACEMENT

CHIP PARTS REPLACEMENT

Some resistors, shorting jumpers (0Ω resistor), ceramic capacitors, transistors and diodes are chip parts. When replacing these parts, note the following cautions.

Cautions:

- A. Use fine tipped, well insulated soldering pencil (iron), about 30 watts, and tweezers.
- B. Melt the solder and remove the Chip Parts carefully not to tear off the copper foil of the printed circuit board.
- C. Discard removed chips ; do not reuse them.
- D. Do not apply heat for more than 3 seconds to new Chip Parts.
- E. Avoid using a rubbing stroke when soldering.
- F. Take care not to scratch, or damage the Chip Parts when soldering.
- G. Supplementary cementing is not required.

1 Removal of Chip Parts (Resistors, Capacitors, etc.)

- A. Grasp the part with tweezers. Melt the solder at both sides alternately, remove one side of the part with a twisting motion.
- B. Melt the solder at the other side and remove the part.

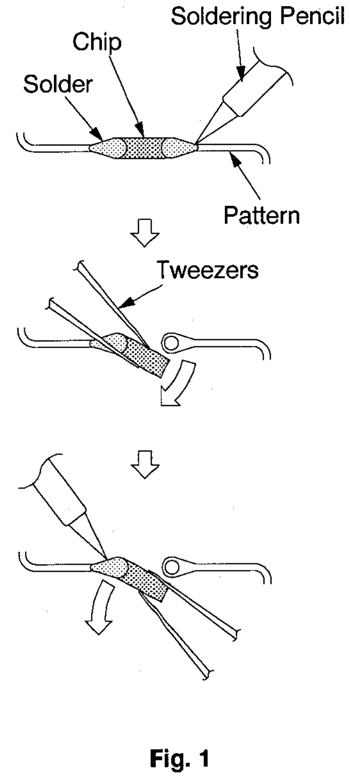

Soldering Pencil
Chip
Solder
Pattern
Tweezers

Fig. 1

2 Removal of Chip Parts (Transistors)

- A. Melt the solder of one lead. Lift the side of that lead upward.
- B. Simultaneously melt the solder of the two remaining leads and lift the part from the PCB.

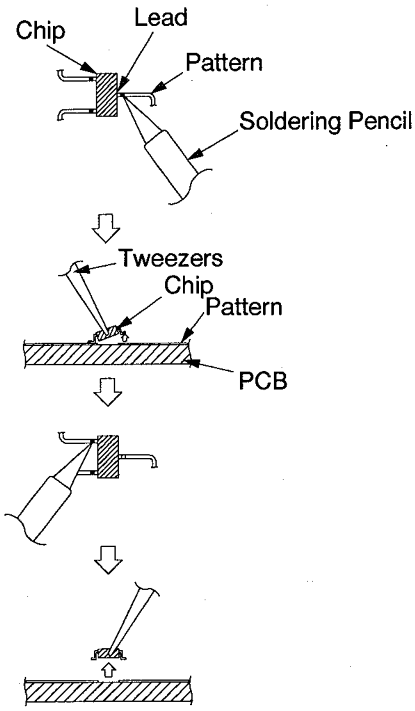

Chip
Lead
Pattern
Soldering Pencil
Tweezers
Chip
Pattern
PCB

Fig. 2

3 Replacement

- A. Presolder the contact points of the circuit pattern.
- B. Press the part downward with tweezers and apply the soldering pencil as shown in Fig. 3.

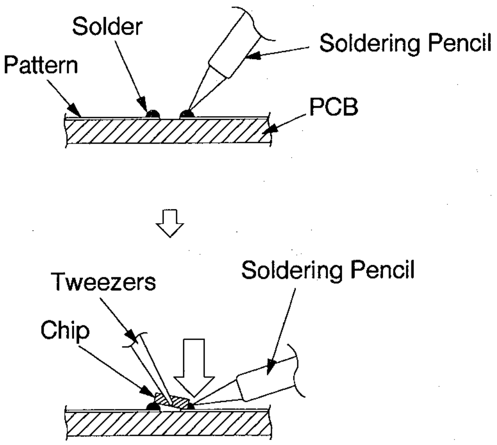
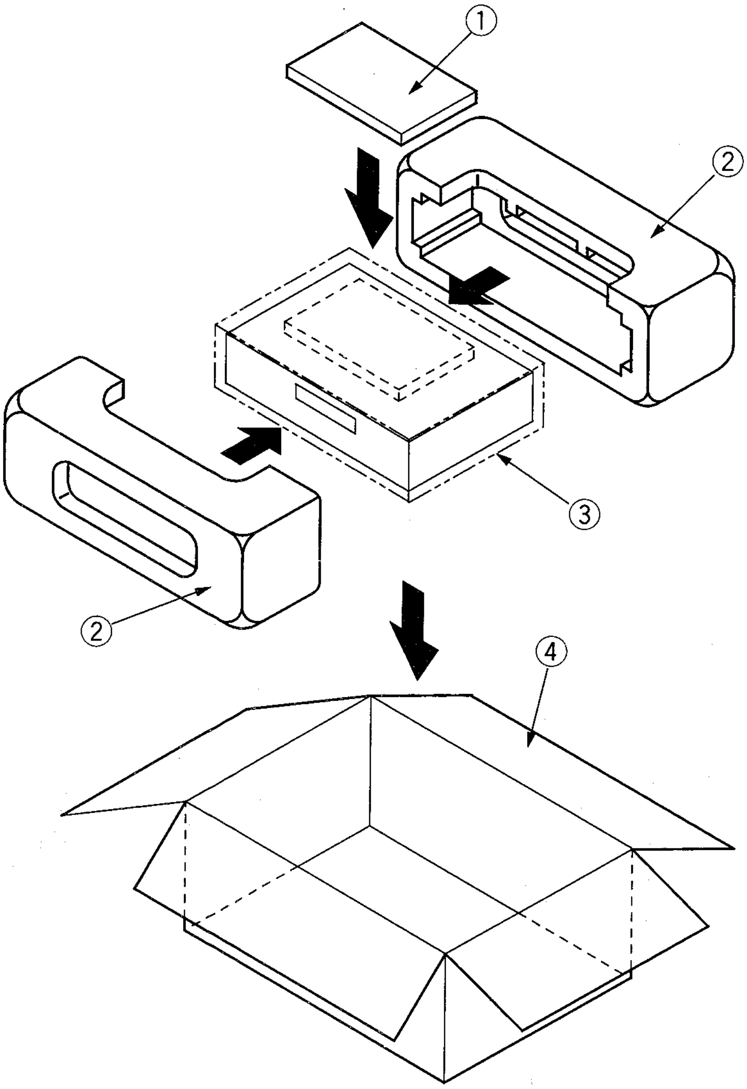
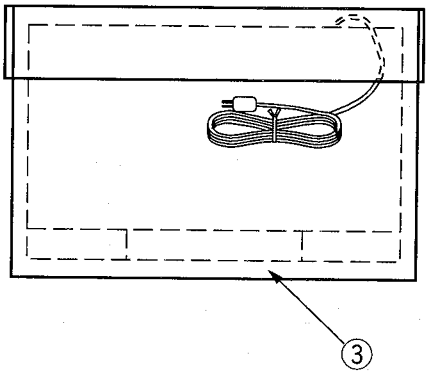

Solder
Pattern
Soldering Pencil
PCB
Tweezers
Soldering Pencil
Chip

Fig. 3

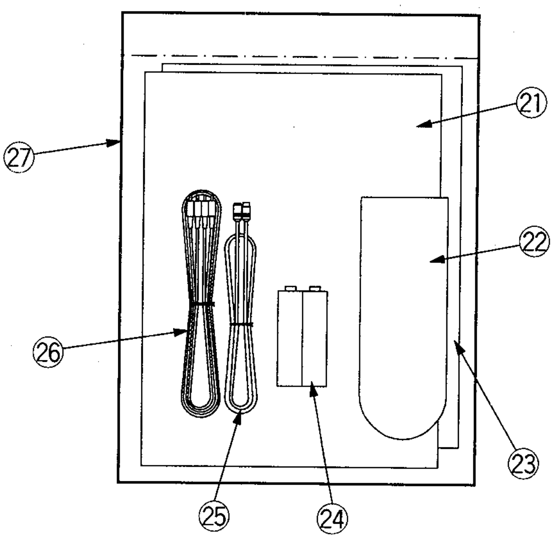
2. PACKING PARTS



PLUG SHOULD NOT BE ON CORD AND NOT BE ON REMOTE HAND UNIT OF ACCSESSORY.



ACCESSORY



ITEM NO.	PARTS NO.	PARTS NAME	DESCRIPTION
		PACKING PARTS	
1	--------	ACCESSORY	
2	803A473O10	CUSHION	
3	--------	POLYETHYLENE SHEET	
4	802B600O10	PACKING CASE	
		ACCESSORY	
21	872C157O80	INSTRUCTION BOOK	[B]
21	872C158O00	INSTRUCTION BOOK	[E]
21	872C157O90	INSTRUCTION BOOK	[GY]
21	872C181O40	INSTRUCTION BOOK	[IR]
22	939P658O20	REMOTE HAND UNIT	[B, IR]
22	939P658O10	REMOTE HAND UNIT	[E, GY]
23	--------	QUICK SET-UP GUIDE	[B]
24	--------	BATTERY	
25	242D231O30	CABLE	1.5m
26	242C938O10	PHONO CABLE	2P R&W L=1.5m [E, GY]
27	831D302O10	PACKING BAG	

3. ELECTRICAL PARTS

INTEGRATED CIRCUITS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
IC1A1	266P192010	IC	LA7910	[E,GY,IR]
IC201	270P360010	IC	LA7416	
IC2A0	270P497010	IC	TA1232N	
IC2A1	270P498010	IC	TL8850AP	
IC2V0	274P814010	MOS IC	M35017-052SP	
IC2601	270P377010	IC	BH7634AS	[E,GY]
IC2602	272P583010	IC	NJM2233BM	[E,GY]
IC2603	270P201010	IC	LA7151	[E,GY]
IC2604	272P687010	IC	NJM2234L	[E,GY]
IC2605	270P201010	IC	LA7151	[E,GY]
IC2702	270P067010	IC	BA7645N	[B,IR]
IC2703	272P687010	IC	NJM2234L	[B,IR]
IC2704	272P687010	IC	NJM2234L	[B,IR]
IC301	270P601010	IC	BA7746FS	
IC3001	270P500010	IC	TA8863CF	
IC4A0	274P768060	MOS IC	MN67492MUE6	
IC4A1	272P237050	IC	LMT324N	
IC4A2	272P235010	IC	TA7291S	
IC551	274P672010	MOS IC	SDA5649	[B,E,IR]
IC551	274P672020	MOS IC	SDA5650	[GY]
IC571	274P677010	MOS IC	M37470M4-526SP	[B,IR]
O IC5A0	274P946030	MOS IC	M38185ME-215FP	[B,IR]
O IC5A0	274P946010	MOS IC	M38185ME-206FP	[E]
O IC5A0	274P946040	MOS IC	M38185ME-216FP	[GY]
IC5A1	263P593010	MOS IC	CAT35C104P	
IC5A2	270P070010	IC	AT93C56-10PC	
IC5A3	266P010020	IC	µPC574J-K	
IC5A4	263P094050	MOS IC	BU4094BCF	
IC700	270P272010	IC	TDA9821	[E,GY]
IC701	270P001010	IC	TDA9840	[E,GY]
IC7A0	270P273020	IC	SAA7283GP	[B,E,IR]
O IC8A0	272P376010	IC	BA15218F	
O IC901	270P508010	IC	STR-S6706	[E,GY]
IC9A1	272P500020	IC	HA17431PA	
IC9A2	272P237050	IC	LMT324N	

TRANSISTORS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
Q 101	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 102	260P808010	CHIP TRANSISTOR	DTC114EK	
Q 103	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 104	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 1C1	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY]
Q 1C2	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY]
Q 201	260P807010	CHIP TRANSISTOR	UN2212	
Q 202	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 203	260P807010	CHIP TRANSISTOR	UN2212	
Q 204	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 205	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 206	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 207	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 208	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 209	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 2A0	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2A1	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 2A2	260P805030	CHIP TRANSISTOR	2SC3053-D	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
Q 2A3	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 2E0	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2E1	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 2E4	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 2E5	260P807010	CHIP TRANSISTOR	UN2212	
Q 2E6	260P807010	CHIP TRANSISTOR	UN2212	
Q 2H0	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 2H2	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2H3	260P807010	CHIP TRANSISTOR	UN2212	
Q 2H4	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2H5	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2H6	260P807010	CHIP TRANSISTOR	UN2212	
Q 2H7	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 2H8	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 2J0	260P560040	TRANSISTOR	2SA933S-S	
Q 2K0	260P805030	CHIP TRANSISTOR	2SC3053-D	[B,IR
Q 2K1	260P805030	CHIP TRANSISTOR	2SC3053-D	[B,IR
Q 2V0	260P802020	CHIP TRANSISTOR	2SA1235-F	[E,GY
Q 2V3	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 2V4	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 2601	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY
Q 2602	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY
Q 2603	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY
Q 2604	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY
Q 2605	260P806010	CHIP TRANSISTOR	DTA124EK	[E,GY
Q 2701	260P805030	CHIP TRANSISTOR	2SC3053-D	[B,IR
Q 3001	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 3002	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 3601	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 3602	260P807010	CHIP TRANSISTOR	UN2212	
Q 3603	260P562040	TRANSISTOR	2SA952-K	
Q 3604	260P629060	TRANSISTOR	2SC3331-S	
Q 3605	260P807010	CHIP TRANSISTOR	UN2212	
Q 3606	260P562040	TRANSISTOR	2SA952-K	
Q 3607	260P629060	TRANSISTOR	2SC3331-S	
Q 3608	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 3609	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 4A2	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 4A4	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 4A5	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 4A6	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 4C8	260P805030	CHIP TRANSISTOR	2SC3053-D	
Q 571	260P562040	TRANSISTOR	2SA952-K	[B,IR]
Q 581	260P562040	TRANSISTOR	2SA952-K	[B,IR]
Q 5A0	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A1	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A2	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A3	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 5A4	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 5A5	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 5A6	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A7	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A8	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5A9	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5B0	268P076010	PHOTO TRANSISTOR	SPS-1118C-T1	
Q 5B1	260P802020	CHIP TRANSISTOR	2SA1235-F	
Q 5B2	260P806010	CHIP TRANSISTOR	DTA124EK	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
Q 5B6	260P804030	CHIP TRANSISTOR	2SC3052-G	
Q 5C1	260P807010	CHIP TRANSISTOR	UN2212	
Q 5C2	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 5C3	260P807010	CHIP TRANSISTOR	UN2212	
Q 5C4	260P806010	CHIP TRANSISTOR	DTA124EK	[E,GY]
Q 701	260P805030	CHIP TRANSISTOR	2SC3053-D	[E,GY]
Q 702	260P806010	CHIP TRANSISTOR	DTA124EK	[E,GY]
Q 703	260P805030	CHIP TRANSISTOR	2SC3053-D	[E,GY]
Q 704	260P805030	CHIP TRANSISTOR	2SC3053-D	[E,GY]
Q 7A0	260P874010	CHIP TRANSISTOR	2SC3082K-P,Q	[B,E,IR]
Q 7A1	260P807010	CHIP TRANSISTOR	UN2212	[B,E,IR]
Q 7A2	260P807010	CHIP TRANSISTOR	UN2212	[B,E,IR]
Q 901	261P038010	TRANSISTOR	2SC4234	[B,IR]
Q 902	260P559030	TRANSISTOR	2SC1740S-S	[B,IR]
Q 903	260P560040	TRANSISTOR	2SA933S-S	[B,IR]
Q 9A1	260P560030	TRANSISTOR	2SA933S-R,F	
Q 9A2	260P560040	TRANSISTOR	2SA933S-S	
Q 9A3	260C628010	TRANSISTOR	2SA1619A-Q	
Q 9A4	260P630010	TRANSISTOR	2SD2012	
Q 9A5	260P630010	TRANSISTOR	2SD2012	
Q 9A6	260P585030	TRANSISTOR	2SD1682-T,U	[B]
Q 9A6	260P613010	TRANSISTOR	2SC4208A	[E,GY]
Q 9A7	260P630010	TRANSISTOR	2SD2012	
Q 9A8	260P613010	TRANSISTOR	2SC4208A	
Q 9A9	260P807010	CHIP TRANSISTOR	UN2212	
Q 9B0	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY]
Q 9B1	260P810010	CHIP TRANSISTOR	DTA144EK	[E,GY]
Q 9B2	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY]
Q 9B3	260P804030	CHIP TRANSISTOR	2SC3052-G	[E,GY]
Q 9B7	260P807010	CHIP TRANSISTOR	UN2212	[E,GY]
Q 9F0	260P807010	CHIP TRANSISTOR	UN2212	
Q 9F1	260P806010	CHIP TRANSISTOR	DTA124EK	
Q 9F2	260P802020	CHIP TRANSISTOR	2SA1235-F	[E,GY]
Q 9F3	260P807010	CHIP TRANSISTOR	UN2212	[E,GY]
Q 9F4	260P810010	CHIP TRANSISTOR	DTA144EK	[E,GY]
Q 9F5	260P810010	CHIP TRANSISTOR	DTA144EK	[E,GY]
Q 9F6	260P807010	CHIP TRANSISTOR	UN2212	[E,GY]
Q 9F7	260P806010	CHIP TRANSISTOR	DTA124EK	[E,GY]

DIODES

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
D 103	264P568010	DIODE	1SS252	
D 104	264P568010	DIODE	1SS252	
D 105	264P568010	DIODE	1SS252	
D 1Z1	264P104040	DIODE	HZ30-2	[B]
D 201	264P568010	DIODE	1SS252	
D 2A0	264P568010	DIODE	1SS252	
D 2A1	264P568010	DIODE	1SS252	
D 2A2	264P568010	DIODE	1SS252	[B,IR]
D 2V0	264P826010	CHIP DIODE	DA204K	
D 2601	264P568010	DIODE	1SS252	[E,GY]
D 2602	264P568010	DIODE	1SS252	[E,GY]
D 2603	264P568010	DIODE	1SS252	[E,GY]
D 2604	264P568010	DIODE	1SS252	[E,GY]
D 2605	264P568010	DIODE	1SS252	[E,GY]
D 2606	264P568010	DIODE	1SS252	[E,GY]
D 2607	264P568010	DIODE	1SS252	[E,GY]
D 2608	264P568010	DIODE	1SS252	[E,GY]
D 2609	264P568010	DIODE	1SS252	[E,GY]
D 2610	264P568010	DIODE	1SS252	[E,GY]
D 2611	264P568010	DIODE	1SS252	[E,GY]
D 2612	264P568010	DIODE	1SS252	[E,GY]
D 2613	264P568010	DIODE	1SS252	[E,GY]
D 2614	264P568010	DIODE	1SS252	[E,GY]
D 2615	264P568010	DIODE	1SS252	[E,GY]
D 2616	264P568010	DIODE	1SS252	[E,GY]
D 2623	264P568010	DIODE	1SS252	[E,GY]
D 2624	264P568010	DIODE	1SS252	[E,GY]
D 2625	264P568010	DIODE	1SS252	[E,GY]
D 2716	264P568010	DIODE	1SS252	[B,IR]
D 2729	264P568010	DIODE	1SS252	[B,IR]
D 2730	264P568010	DIODE	1SS252	[B,IR]
D 2731	264P568010	DIODE	1SS252	[B,IR]
D 2732	264P568010	DIODE	1SS252	[B,IR]
D 2733	264P568010	DIODE	1SS252	[B,IR]
D 2734	264P568010	DIODE	1SS252	[B,IR]
D 2735	264P568010	DIODE	1SS252	[B,IR]
D 2736	264P568010	DIODE	1SS252	[B,IR]
D 2737	264P568010	DIODE	1SS252	[B,IR]
D 2738	264P568010	DIODE	1SS252	[B,IR]
D 2739	264P568010	DIODE	1SS252	[B,IR]
D 2740	264P568010	DIODE	1SS252	[B,IR]
D 3001	264P568010	DIODE	1SS252	
D 4A0	264P568010	DIODE	1SS252	
D 5A6	264P568010	DIODE	1SS252	
D 5A7	264P568010	DIODE	1SS252	
D 5A8	264P568010	DIODE	1SS252	
D 5A9	264P696010	LIGHT EMITTING DIODE	SLR-932C-20-AB-T1	
D 5B0	264P568010	DIODE	1SS252	
D 5B4	264P696020	LIGHT EMITTING DIODE	SLR-932A-20-B-T1	
D 5B5	264P696010	LIGHT EMITTING DIODE	SLR-932C-20-AB-T1	
D 5C0	264P696010	LIGHT EMITTING DIODE	SLR-932C-20-AB-T1	
D 5C1	264P568010	DIODE	1SS252	
D 5C2	264P568010	DIODE	1SS252	
D 5D0	264P342070	DIODE	HZ4C2	
D 5D4	264P568010	DIODE	1SS252	
D 5E2	264P568010	DIODE	1SS252	
D 5JG	264P568010	DIODE	1SS252	
D 5CAN	264P568010	DIODE	1SS252	[E,GY]
D 5IRN	264P568010	DIODE	1SS252	[IR]
D 5RAB	264P568010	DIODE	1SS252	
D 5SAS	264P568010	DIODE	1SS252	[B,IR]
D 7C0	264P675010	DIODE	BB405B	[B,E,IR]
D 7C1	264P568010	DIODE	1SS252	[B,E,IR]
D 7C2	264P568010	DIODE	1SS252	[B,E,IR]
D 811	264P621040	LIGHT EMITTING DIODE	SEL2210S TP2	[E,GY]
D 8A0	264P568010	DIODE	1SS252	
D 8A1	264P568010	DIODE	1SS252	
D 8A3	264P568010	DIODE	1SS252	
D 8A4	264P568010	DIODE	1SS252	
D 8A5	264P568010	DIODE	1SS252	
D 8A6	264P568010	DIODE	1SS252	
D 8A8	264P568010	DIODE	1SS252	
D 8A9	264P568010	DIODE	1SS252	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
D 8B0	264P568010	DIODE	1SS252	
D 8B1	264P568010	DIODE	1SS252	
D 8B2	264P568010	DIODE	1SS252	
D 8B3	264P568010	DIODE	1SS252	
D 8C0	264P634010	LIGHT EMITTING DIODE	SLR-932A-7	[B,IR]
D 901	264P508040	DIODE	S1WB(A)60	
D 903	264P699010	DIODE	AP01C	
D 904	264P825010	DIODE	ERA15-02	
D 905	264P568010	DIODE	1SS252	[E,GY]
D 906	264P487080	DIODE	RD12FB2	[B,IR]
D 906	264P825010	DIODE	ERA15-02	[E,GY]
D 907	264P568010	DIODE	1SS252	[B,IR]
D 907	264P825010	DIODE	ERA15-02	[E,GY]
D 908	264P825010	DIODE	ERA15-02	[E,GY]
D 909	264P568010	DIODE	1SS252	[B,IR]
D 9A1	264P695050	DIODE	D2S6M	
D 9A2	264P695030	DIODE	D2S4M	
D 9A3	264P663010	DIODE	D1NL20U	
D 9A4	264P663010	DIODE	D1NL20U	
D 9A5	264P568010	DIODE	1SS252	
D 9A6	264P568010	DIODE	1SS252	
D 9A7	264P104040	DIODE	HZ30-2	
D 9A8	264P568010	DIODE	1SS252	
D 9A9	264P452030	DIODE	HZ5C3	
D 9B0	264P568010	DIODE	1SS252	
D 9B1	264P484030	DIODE	RD5.6FB2	[B]
D 9B1	264P487080	DIODE	RD12FB2	[E,GY]
D 9B2	264P527010	DIODE	D1NS4	
D 9B3	264P568010	DIODE	1SS252	
D 9B4	264P568010	DIODE	1SS252	
D 9B5	264P456070	DIODE	RD2.4EB	

FILTERS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
CF701	296P071020	CERAMIC FILTER		[E,GY]
CF702	296P071010	CERAMIC FILTER		[E,GY]
L 901	351P038040	LINE FILTER	ELF-18D290HB	

COILS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
L 101	325C166030	PEAKING COIL	10μH-J	
L 201	325C167050	PEAKING COIL	100μH-J	
L 2A0	325C167030	PEAKING COIL	68μH-J	
L 2A1	325C167000	PEAKING COIL	39μH-J	
L 2A2	325C168070	PEAKING COIL	1000μH-J	
L 2E0	325C167050	PEAKING COIL	100μH-J	
L 2E1	325C167050	PEAKING COIL	100μH-J	
L 2H0	325C167050	PEAKING COIL	100μH-J	
L 2H1	325C166060	PEAKING COIL	18μH-J	
L 2J0	325C167050	PEAKING COIL	100μH-J	
L 2V0	325C166050	PEAKING COIL	15μH-J	
L 2V1	325C167050	PEAKING COIL	100μH-J	
L 2V2	325C166080	PEAKING COIL	27μH-J	[E,GY]
L 2V3	325C167050	PEAKING COIL	100μH-J	
L 2601	325C112050	PEAKING COIL	100μH-K	[E,GY]
L 2602	325C122050	PEAKING COIL	100μH-K	[E,GY]
L 2603	325C112050	PEAKING COIL	100μH-K	[E,GY]
O L 2609	325C113010	PEAKING COIL	330μH-K	[E,GY]
O L 2610	325C113010	PEAKING COIL	330μH-K	[E,GY]
O L 2611	325C113010	PEAKING COIL	330μH-K	[E,GY
O L 2612	325C113010	PEAKING COIL	330μH-K	[E,GY
L 2709	325C113010	PEAKING COIL	330μH-K	[B,IR
L 2710	325C113010	PEAKING COIL	330μH-K	[B,IR
L 2714	325C112050	PEAKING COIL	100μH-K	[B,IR
L 2715	325C112050	PEAKING COIL	100μH-K	[B,IR
L 301	325C167050	PEAKING COIL	100μH-J	
L 3601	321C114080	RF COIL	8200μH-J	
L 3602	321C113070	RF COIL	1000μH-K	
L 3603	321C113070	RF COIL	1000μH-K	
L 3604	325C167080	PEAKING COIL	180μH-J	
L 4A7	325C167050	PEAKING COIL	100μH-J	
L 4A8	325C121030	PEAKING COIL	10μH-K	
L 551	325C167050	PEAKING COIL	100μH-J	
L 571	325C167050	PEAKING COIL	100μH-J	[B,IR]
L 701	325C106030	PEAKING COIL	10μH-J	[E,GY]
L 702	325C106030	PEAKING COIL	10μH-J	[E,GY]
L 703	325C106030	PEAKING COIL	10μH-J	[E,GY]
L 704	321C114050	RF COIL	4700μH-J	[E,GY]
L 7A0	325C106060	PEAKING COIL	18μH-J	[B,E,IR]
L 7A1	325C107050	PEAKING COIL	100μH-J	[B,E,IR]
L 7A2	325C107050	PEAKING COIL	100μH-J	[B,E,IR]
L 7A3	325C107050	PEAKING COIL	100μH-J	[B,E,IR]
L 7A4	325C107050	PEAKING COIL	100μH-J	[B,E,IR]
L 7A5	325C107010	PEAKING COIL	47μH-J	[B,E,IR]
L 9A1	321C141030	RF COIL	10μH-K	
L 9A2	321C141030	RF COIL	10μH-K	
T 3601	409P852010	BIAS OSCILLATOR COIL	P852A10	
T 3602	409P852010	BIAS OSCILLATOR COIL	P852A10	

TRANSFORMERS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
O T 901	350P706010	POWER TRANSFORMER	E-A1-26195	[B,IR]
O T 901	350P706020	POWER TRANSFORMER	E-A1-26565	[E,GY]

VARIABLE RESISTORS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
VR4A0	127C381020	SEMIFIXED RESISTOR	1/5W B100kΩ-M	
VR756	127C380040	SEMIFIXED RESISTOR	1/5W B1kΩ-M	[E,GY]
O VR8A0	129D157060	VR PCB	1/20W B50kΩ-17TM CS	[B,GY]
O VR8A1	129D157060	VR PCB	1/20W B50kΩ-17TM CS	[B,GY]

RESISTORS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 101	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 102	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 105	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 107	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 108	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 110	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 111	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 112	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 113	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 114	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 1A3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A4	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A5	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 1B1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 1B2	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 1C3	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	[E,GY]
R 1C4	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	[E,GY]
R 1C5	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[E,GY]
R 1C6	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	[E,GY]
R 1C7	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	[E,GY]
R 1C8	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	[B,IR]
R 1C8	103P405080	CHIP RESISTOR	1/10W 560kΩ-J	[E,GY]
R 201	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 202	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 203	103P404070	CHIP RESISTOR	1/10W 68kΩ-J	
R 205	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 206	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 207	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F	
R 209	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 216	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 217	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	
R 218	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 219	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 220	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 221	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 222	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 2A0	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F	
R 2A1	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2A2	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 2A3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 2A4	103P472080	CHIP RESISTOR	1/10W 1.3kΩ-F	
R 2A5	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 2A6	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 2A7	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2A8	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 2A9	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 2B0	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2B1	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2B2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 2B3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 2B4	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 2B5	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 2B6	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 2B7	103P401080	CHIP RESISTOR	1/10W 270Ω-J	
R 2B8	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2C3	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 2C4	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 2E0	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2E1	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 2E4	103P402040	CHIP RESISTOR	1/10W 820Ω-J	
R 2E5	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 2E6	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2E7	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	
R 2F1	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2F6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2F7	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 2F8	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 2H0	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F	
R 2H1	103P472050	CHIP RESISTOR	1/10W 1kΩ-F	
R 2H2	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2H5	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2H6	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 2H8	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2H9	103P401080	CHIP RESISTOR	1/10W 270Ω-J	
R 2J0	103P401070	CHIP RESISTOR	1/10W 220Ω-J	
R 2J2	103P401010	CHIP RESISTOR	1/10W 68Ω-J	
R 2J3	103P470070	CHIP RESISTOR	1/10W 180Ω-F	
R 2J4	103P470090	CHIP RESISTOR	1/10W 220Ω-F	
R 2J5	103P409090	CHIP RESISTOR	1/10W 75Ω-J	[E,GY]
R 2J8	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2J9	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 2K0	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[B,IR]
R 2K1	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[B,IR]
R 2K3	103P402040	CHIP RESISTOR	1/10W 820Ω-J	[B,IR]
R 2K6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
R 2K7	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L0	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L1	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 2L3	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 2L4	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2L5	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2L6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2L8	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 2M0	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2V0	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 2V2	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2V2	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[E,GY]
R 2V3	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	[E,GY]
R 2V4	103P472000	CHIP RESISTOR	1/10W 620Ω-F	
R 2V5	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 2V7	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2V8	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2V9	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 2W0	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F	
R 2W1	103P473090	CHIP RESISTOR	1/10W 3.9kΩ-F	
R 2W2	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2602	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	[E,GY]
R 2603	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	[E,GY]
R 2612	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2613	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2614	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2615	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2617	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2618	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2619	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2620	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2621	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2622	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2624	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 2625	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	[E,GY]
R 2627	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2628	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2629	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2630	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2632	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[E,GY]
R 2633	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 2634	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 2712	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2713	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2717	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2718	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2719	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[B,IR]
R 2720	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[B,IR]
R 2721	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2722	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2724	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[B,IR]
R 2725	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[B,IR]
R 2726	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[B,IR]
R 2727	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2728	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[B,IR]
R 2729	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[B,IR]
R 302	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 303	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 304	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 306	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 307	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 308	103P402020	CHIP RESISTOR	1/10W 560Ω-J	
R 309	103P402020	CHIP RESISTOR	1/10W 560Ω-J	
R 310	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 311	103P400020	CHIP METAL RESISTOR	1/10W 12Ω-J	
R 312	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 3002	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3003	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3004	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3005	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3006	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,IR]
R 3006	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E]
R 3007	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[B,E,IR]
R 3008	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,IR]
R 3008	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E]
R 3009	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[B,E,IR]
R 3010	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 3011	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3012	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3013	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	
R 3014	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 3015	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3016	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 3017	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3018	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 3019	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 3020	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3021	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 3022	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3023	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 3024	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3026	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 3027	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	[B,IR]
R 3027	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3031	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3032	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3034	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3035	103P472090	CHIP RESISTOR	1/10W 1.5kΩ-F	[B,GY]
R 3036	103P476020	CHIP RESISTOR	1/10W 36kΩ-F	[B,GY]
R 3036	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,IR]
R 3037	103P472090	CHIP RESISTOR	1/10W 1.5kΩ-F	[B,GY]
R 3038	103P476020	CHIP RESISTOR	1/10W 36kΩ-F	[B,GY]
R 3038	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,IR]
R 3100	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3601	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3602	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 3603	103P470080	CHIP RESISTOR	1/10W 200Ω-F	
R 3604	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 3605	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 3606	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 3607	103P401010	CHIP RESISTOR	1/10W 68Ω-J	
R 3608	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	
R 3609	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 3610	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 3611	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 3612	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 3613	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3614	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3615	103P408040	CHIP RESISTOR	1/10W 2.2Ω-K	
R 3616	103P475010	CHIP RESISTOR	1/10W 12kΩ-F	
R 3617	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 3618	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3619	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3620	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 3621	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 3622	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 3623	103P476060	CHIP METAL RESISTOR	1/10W 51kΩ-F	
R 4A0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A2	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 4A3	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 4A4	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 4A5	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 4A6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 4A7	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A9	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4B0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4B1	103P405000	CHIP RESISTOR	1/10W 120kΩ-J	
R 4B2	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 4B3	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 4B4	103P405040	CHIP RESISTOR	1/10W 270kΩ-J	
R 4B5	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 4B7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4B8	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 4B9	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C0	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 4C1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C2	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C4	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C5	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C6	103P405010	CHIP RESISTOR	1/10W 150kΩ-J	
R 4C7	103P405010	CHIP RESISTOR	1/10W 150kΩ-J	
R 4C8	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 4C9	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 4D0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4D1	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	
R 4D2	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 4D3	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 4D4	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 4D5	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 4D6	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 4D8	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 4D9	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4E0	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 4E1	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4E3	103P473070	CHIP RESISTOR	1/10W 3.3kΩ-F	
R 4F1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4S1	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 4S5	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4S6	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 4S7	103P409090	CHIP RESISTOR	1/10W 75Ω-J	
R 4S9	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 551	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 552	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 553	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 554	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 555	103P406020	CHIP METAL RESISTOR	1/10W 1.2MΩ-J	
R 556	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 557	103P406020	CHIP METAL RESISTOR	1/10W 1.2MΩ-J	
R 573	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,IR]
R 575	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[B,IR]
R 583	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,IR]
R 585	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[B,IR]
R 5A1	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A2	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A3	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A8	103P401070	CHIP RESISTOR	1/10W 220Ω-J	
R 5A9	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5B0	103P402010	CHIP RESISTOR	1/10W 470Ω-J	
R 5B1	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5B2	103P402030	CHIP RESISTOR	1/10W 680Ω-J	[B,IR]
R 5B2	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 5B3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5B5	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 5B6	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 5B8	103P404080	CHIP RESISTOR	1/10W 82kΩ-J	
R 5B9	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5C0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5C1	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 5C2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5C3	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5C6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5C7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5D4	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 5D5	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 5D6	103P405070	CHIP RESISTOR	1/10W 470kΩ-J	
R 5D7	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5D8	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 5D9	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 5E0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5E1	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 5E2	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5E3	103P406090	CHIP METAL RESISTOR	1/10W 4.7MΩ-K	
R 5E4	103P406090	CHIP METAL RESISTOR	1/10W 4.7MΩ-K	
R 5E5	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5E6	103P477010	CHIP RESISTOR	1/10W 82kΩ-F	
R 5E7	103P476030	CHIP RESISTOR	1/10W 39kΩ-F	
R 5E8	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 5E9	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5F0	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 5F7	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5F8	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5F9	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	[E,GY]
R 5G0	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5H1	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5H3	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5H4	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5H7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5H8	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 5J1	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5J3	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5J6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 5J7	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5J8	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 5K0	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 701	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 702	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 703	103P472000	CHIP RESISTOR	1/10W 620Ω-F	[E,GY]
R 704	103P472000	CHIP RESISTOR	1/10W 620Ω-F	[E,GY]
R 705	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[E,GY]
R 706	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[E,GY]
R 707	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 710	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	[E,GY]
R 731	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 732	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 7A1	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	[B,E,IR]
R 7A2	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,E,IR]
R 7A3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	[B,E,IR]
R 7A4	103P401010	CHIP RESISTOR	1/10W 68Ω-J	[B,E,IR]
R 7C0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C1	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[B,E,IR]
R 7C2	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C4	103P405090	CHIP RESISTOR	1/10W 680kΩ-J	[B,E,IR]
R 7C5	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C6	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C7	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C8	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C9	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,E,IR]
R 7D0	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	[B,E,IR]
R 7D1	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[B,E,IR]
R 7D2	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,E,IR]
R 8A0	103P409090	CHIP RESISTOR	1/10W 75Ω-J	
R 8A1	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 8A2	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 8A3	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 8A4	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 8X1	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 8X2	103P401080	CHIP RESISTOR	1/10W 270Ω-J	[B,E,IR]
R 8X2	103P401090	CHIP RESISTOR	1/10W 330Ω-J	[GY]
R 8X3	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	
R 8X4	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 8X5	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 8X6	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 8X7	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 8X8	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 8X9	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 901	102P108060	WIRE RESISTOR	2W 3.3Ω-J	
R 910	109D036040	COMPOSITION RESISTOR	1/2W 8.2MΩ-K	
R 9A5	103P405080	CHIP RESISTOR	1/10W 560kΩ-J	
R 9A7	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 9A8	109P052010	FUSE RESISTOR	1/4W 100Ω-J	
R 9A9	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 9B3	103P475030	CHIP RESISTOR	1/10W 15kΩ-F	
R 9B6	103P476060	CHIP METAL RESISTOR	1/10W 51kΩ-F	
R 9C0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 9C1	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 9C3	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 9C4	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 9C5	103P378050	FUSE RESISTOR	1/4W 2.7Ω-J	
R 9D1	103P401050	CHIP RESISTOR	1/10W 150Ω-J	
R 9E1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY]
R 9E3	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E4	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E5	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9E6	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9E7	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E9	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	[E,GY]
R 9F0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 9F1	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9F2	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
RJ 4	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 7	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 8	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 9	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 10	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 12	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 13	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 14	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 15	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 22	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 23	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 24	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 31	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 32	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 33	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 34	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 35	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 36	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 37	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 38	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 39	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 40	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 41	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 44	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 45	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 46	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 47	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 48	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 50	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY
RJ 53	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 60	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY
RJ 61	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY
RJ 62	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY
RJ 63	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 64	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 65	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 66	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 67	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 68	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 69	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 70	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 71	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 72	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 73	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 74	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ701	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY
RJ702	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	

CAPACITORS AND TRIMMERS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
C 104	141P130090	CHIP CAPACITOR	B50V 1000pF-K
C 201	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 202	154P323000	CHIP CAPACITOR	SL50V 56pF-J
C 203	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 204	154P323000	CHIP CAPACITOR	SL50V 56pF-J
C 205	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 206	154P322080	CHIP CAPACITOR	SL50V 47pF-J
C 207	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 208	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 209	154P322080	CHIP CAPACITOR	SL50V 47pF-J
C 210	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 211	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 212	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 213	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 215	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 217	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 218	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 219	141P132010	CHIP CAPACITOR	B50V 0.01μF-K
C 226	141P139030	CHIP CAPACITOR	B25V 0.1μF-K
C 227	141P139030	CHIP CAPACITOR	B25V 0.1μF-K
C 2A0	154P324040	CHIP CAPACITOR	SL50V 220pF-J
C 2A1	154P323020	CHIP CAPACITOR	SL50V 68pF-J
C 2A2	154P325060	CHIP CAPACITOR	SL50V 680pF-J
C 2A3	141P139030	CHIP CAPACITOR	B25V 0.1μF-K
C 2A5	141P137030	CHIP CAPACITOR	B50V 0.018μF-K
C 2A6	154P321060	CHIP CAPACITOR	SL50V 15pF-J
C 2A7	141P130090	CHIP CAPACITOR	B50V 1000pF-K
C 2A8	154P324040	CHIP CAPACITOR	SL50V 220pF-J
C 2A9	141P132000	CHIP CAPACITOR	B50V 8200pF-K
C 2B0	141P132000	CHIP CAPACITOR	B50V 8200pF-K

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 2B3	141P139000	CHIP CAPACITOR	B25V 0.056µF-K	
C 2B5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2B7	154P322040	CHIP CAPACITOR	SL50V 33pF-J	
C 2B8	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 2D1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2D2	141P131090	CHIP CAPACITOR	B50V 6800pF-K	
C 2D4	154P324000	CHIP CAPACITOR	SL50V 150pF-J	
C 2D5	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 2E0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E1	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E2	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2E3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E4	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E5	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E6	141P131070	CHIP CAPACITOR	B50V 4700pF-K	
C 2E7	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E9	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2F2	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F4	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F7	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H1	154P325020	CHIP CAPACITOR	SL50V 470pF-J	
C 2H2	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H3	154P323020	CHIP CAPACITOR	SL50V 68pF-J	
C 2H4	154P323000	CHIP CAPACITOR	SL50V 56pF-J	
C 2H5	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V0	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 2V1	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 2V2	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[E,GY]
C 2V3	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 2V4	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 2V5	141P130050	CHIP CAPACITOR	B50V 470pF-K	
C 2V6	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V7	141P131010	CHIP CAPACITOR	B50V 1500pF-K	
C 2V8	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V9	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2601	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]
C 2603	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]
C 2604	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	[E,GY]
C 2605	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]
C 2606	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	[E,GY]
C 2615	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	[E,GY]
C 2616	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]
C 2618	141P132000	CHIP CAPACITOR	B50V 8200pF-K	[E,GY]
C 2633	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]
C 2634	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2635	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2636	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2637	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2638	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2639	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2640	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2641	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2642	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 2643	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2644	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2645	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2646	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2647	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2648	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2649	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2650	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2651	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]
C 2652	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]
C 2655	141P132000	CHIP CAPACITOR	B50V 8200pF-K	[E,GY]
C 2733	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2734	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2735	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2736	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2737	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2742	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2743	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2744	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2745	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2746	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2747	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[B,IR]
C 2748	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[B,IR]
C 2749	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[B,IR]
C 2750	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[B,IR]
C 2751	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2752	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2773	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,IR]
C 301	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 302	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	
C 303	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 304	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 305	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	
C 307	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 308	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 309	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 310	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 311	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 312	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 313	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 314	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 315	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 3009	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 3012	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 3013	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 3020	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 3021	141P139000	CHIP CAPACITOR	B25V 0.056µF-K	
C 3022	141P130070	CHIP CAPACITOR	B50V 680pF-K	
C 3026	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	
C 3034	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,GY]
C 3035	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,GY]
C 3042	141P135010	CHIP CAPACITOR	F25V 0.33µF-Z	
C 3043	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 3044	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	
C 3603	141P131040	CHIP CAPACITOR	B50V 2700pF-K	
C 3605	141P130070	CHIP CAPACITOR	B50V 680pF-K	
C 3610	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 3611	141P130060	CHIP CAPACITOR	B50V 560pF-K	
C 3614	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 3615	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 3617	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 3619	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 3620	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 3621	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 3622	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 4B0	141P131080	CHIP CAPACITOR	B50V 5600pF-K	
C 4B1	141P131080	CHIP CAPACITOR	B50V 5600pF-K	
C 4B3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 4B5	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 4B6	141P139000	CHIP CAPACITOR	B25V 0.056µF-K	
C 4B7	154P332010	CHIP CAPACITOR	CH50V 27pF-J	
C 4B8	141P139010	CHIP CAPACITOR	B25V 0.068µF-K	
C 4B9	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 4C0	141P131050	CHIP CAPACITOR	B50V 3300pF-K	
C 4C4	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 4C5	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 4C9	141P131060	CHIP CAPACITOR	B50V 3900pF-K	
C 4D0	141P131010	CHIP CAPACITOR	B50V 1500pF-K	
C 4D3	141P137070	CHIP CAPACITOR	B25V 0.039µF-K	
C 4D7	141P137070	CHIP CAPACITOR	B25V 0.039µF-K	
C 4G7	154P333050	CHIP CAPACITOR	CH50V 100pF-J	
C 4G8	154P333050	CHIP CAPACITOR	CH50V 100pF-J	
C 4J0	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 551	154P324000	CHIP CAPACITOR	SL50V 150pF-J	
C 552	141P137060	CHIP CAPACITOR	B50V 0.033µF-K	
C 554	141P131030	CHIP CAPACITOR	B50V 2200pF-K	
C 555	141P137060	CHIP CAPACITOR	B50V 0.033µF-K	
C 556	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 573	154P331070	CHIP CAPACITOR	CH50V 18pF-J	[B,IR]
C 574	154P331070	CHIP CAPACITOR	CH50V 18pF-J	[B,IR]
C 576	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,IR]
C 5A0	189P197020	ELE DOUBLE LAYER C	FM0H473Z	
C 5A3	141P134010	CHIP CAPACITOR	F50V 0.047µF-Z	
C 5A5	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z	
C 5A6	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5A7	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5A8	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5A9	141P133090	CHIP CAPACITOR	F50V 0.022µF-Z	
C 5B1	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5B2	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5B3	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 5B5	141P134010	CHIP CAPACITOR	F50V 0.047µF-Z	
C 5B6	154P331070	CHIP CAPACITOR	CH50V 18pF-J	
C 5B7	154P331070	CHIP CAPACITOR	CH50V 18pF-J	
C 5B8	154P330090	CHIP CAPACITOR	CH50V 8pF-C	
C 5B9	154P331010	CHIP CAPACITOR	CH50V 10pF-C	
C 5C0	141P130060	CHIP CAPACITOR	B50V 560pF-K	
C 701	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 703	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 704	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 705	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 706	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 707	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 709	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	[E,G
C 714	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,G
C 721	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[E,GY
C 7A1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,I
C 7A2	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,E,I
C 7C0	154P324040	CHIP CAPACITOR	SL50V 220pF-J	[B,E,I
C 7C1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,I
C 7C3	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,I
C 7C5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,I
C 7C8	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[B,E,I
C 7C9	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[B,E,IR
C 7D3	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR
C 7D4	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR
C 7D6	154P323020	CHIP CAPACITOR	SL50V 68pF-J	[B,E,IR
C 7D9	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR
C 7E0	154P323020	CHIP CAPACITOR	SL50V 68pF-J	[B,E,IR
C 7E5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR
C 7E6	154P321020	CHIP CAPACITOR	SL50V 10pF-C	[B,E,IR
C 7E8	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR
C 7F0	141P130040	CHIP CAPACITOR	B50V 390pF-K	[B,E,IR
C 7F1	141P137080	CHIP CAPACITOR	B25V 0.047µF-K	[B,E,IR
C 8A0	141P130010	CHIP CAPACITOR	B50V 220pF-K	
C 8A1	141P130030	CHIP CAPACITOR	B50V 330pF-K	
C 8A2	141P130030	CHIP CAPACITOR	B50V 330pF-K	
C 8X2	154P323020	CHIP CAPACITOR	SL50V 68pF-J	
C 901	189P153040	M-P CAPACITOR-AC	AC250V 0.1µF-M	
C 904	189P153040	M-P CAPACITOR-AC	AC250V 0.1µF-M	
C 909	189P094060	CERAMIC CAPACITOR AC	ACT4K E1000pF-M	[B,IR
C 909	189P094040	CERAMIC CAPACITOR AC	ACT4K E2200pF-M	[E,GY
C 9A9	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 9B1	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 9B2	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	

SWITCHES

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
S 101	431C110010	SLIDE SWITCH	ANTENNA	[E,GY,IR]
S 5A6	432P089020	KEY BOARD SWITCH	PAUSE	
S 5A7	432P089020	KEY BOARD SWITCH	O.K.PROG	
S 5A8	432P089020	KEY BOARD SWITCH	REC/OTR	
S 5B0	432P089020	KEY BOARD SWITCH	PLAY/STOP	
S 5B1	432P166010	KEY BOARD SWITCH	RESET	
S 8A0	432P089020	KEY BOARD SWITCH	POWER	
S 8A1	432P089020	KEY BOARD SWITCH	EJECT	
S 8A3	432P089020	KEY BOARD SWITCH	AUTO SET-UP/EASY SET-UP	
S 8A4	432P089040	KEY BOARD SWITCH	COUNTER-RESET	[B,IR]
S 8A4	432P089040	KEY BOARD SWITCH	POWER-SAVE	[E,GY]
S 8A5	432P089040	KEY BOARD SWITCH	INS	
S 8A6	432P089040	KEY BOARD SWITCH	AFR	
O S 8J0	439P041010	JOG SWITCH	JOG	

MISCELLANEOUS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
F 901	283D147040	FUSE	T2A	
J 2601	452C210010	CONNECTOR	21	[E,GY]
J 2602	452C210010	CONNECTOR	21	[E,GY]
J 2603	451C086090	RCA PIN JACK	WHITE	[E,GY]
J 2604	451C086010	RCA PIN JACK	RED	[E,GY]
J 2701	452C210010	CONNECTOR	21	[B,IR]
J 2702	452C210010	CONNECTOR	21	[B,IR]

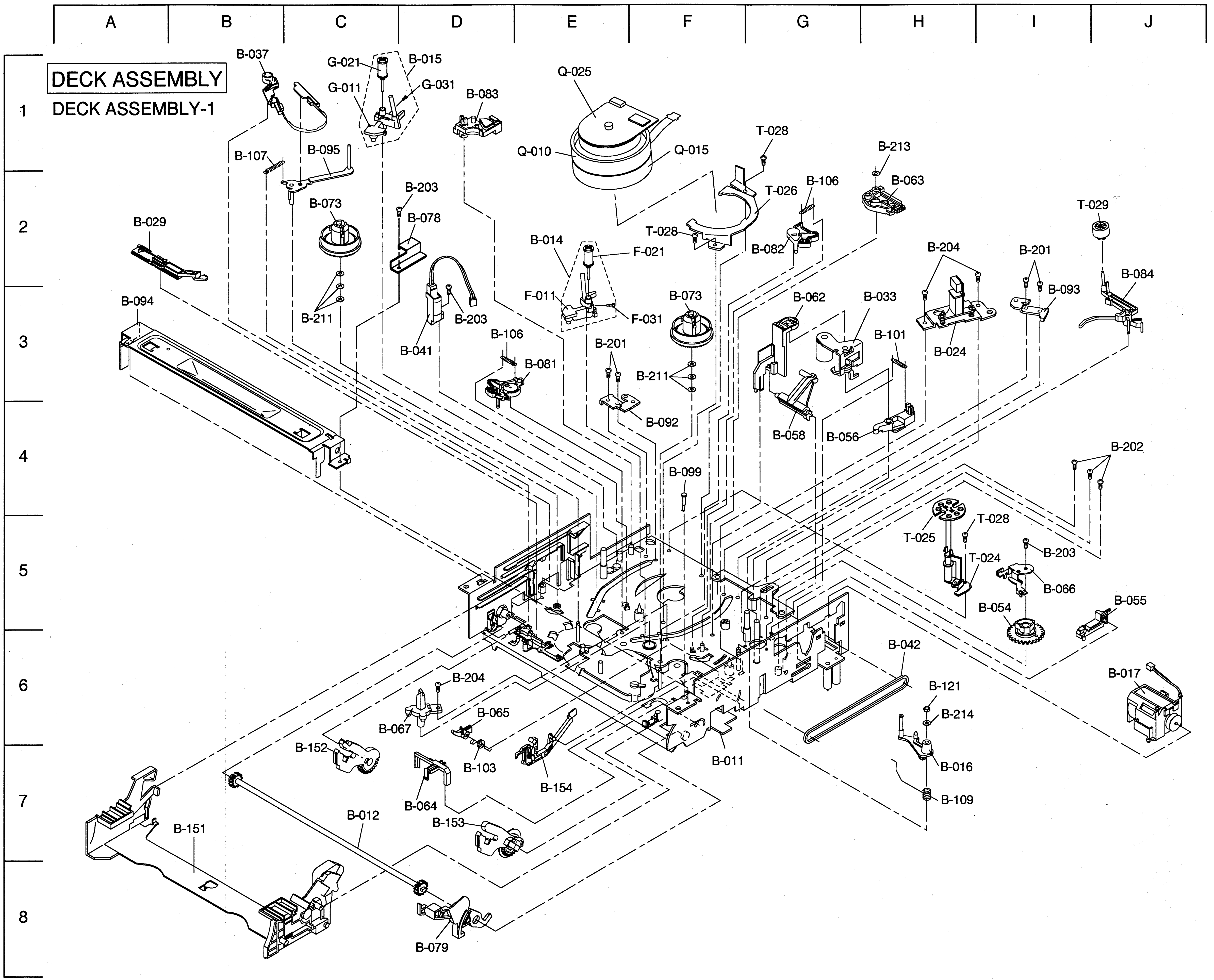
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
J 2703	451C086090	RCA PIN JACK	WHITE [B,IR]
J 2704	451C086010	RCA PIN JACK	RED [B,IR]
J 581	451C193010	HEADPHONE JACK	[B,IR]
J 8A0	440C267050	PIN JACK (3PIN)	YEL,WHT,RED
J 8A3	451C117010	HEADPHONE JACK	BLACK
JK MK	243C155040	CARD LEAD WIRE	9P L=140(MZ-PZ)
M 572	288P159010	CAPSTAN MOTOR	F2QTB22
MA DA	243C193030	CARD LEAD WIRE	7PIN L=120
MD DD	243C193050	CARD LEAD WIRE	7PIN L=160
ME HE	243C157020	CARD LEAD WIRE	13P L=100
PC901	268P069010	PHOTO COUPLER	ON3171R
PC902	268P069010	PHOTO COUPLER	ON3171R [E,GY]
SA901	299P198010	SURGE ABSORBER	ERZV07D471
T 371	460P055050	FE HEAD	
TU 01	295P455020	TUNER	ENG57539N1 [B]
TU 01	295P455010	TUNER	ENG57538N [E,GY]
TU 01	295P455040	TUNER	ENG57544N [IR]
V 5A0	253P127030	FLOUR DISPLAY TUBE	25U48104TA
X 2A0	285P304010	CRYSTAL RESONATOR	4.43MHz
X 4A0	285P272010	CRYSTAL RESONATOR	4.43362MHz
X 571	285P029040	CRYSTAL RESONATOR	4.00000MHz [B,IR]
X 5A0	285P054030	CRYSTAL RESONATOR	32.8kHz
X 5A1	285P235010	CRYSTAL RESONATOR	8.3886MHz
X 701	285P204020	CRYSTAL RESONATOR	10MHz [E,GY]
X 7A0	285P253010	CRYSTAL RESONATOR	8.192MHz [B,E,IR]
Z 5A0	939P580040	PREAMP UNIT	TFMX 5330
PRINTED CIRCUIT BOARD ASSY'S			
	928D370002	CONNECTOR PCB ASSY	[B,IR]
	928D371002	CONNECTOR PCB ASSY	[E,GY]
	928D369001	DUAL PCB ASSY	[B,IR]
	928D378002	DUAL PCB ASSY	[E]
	928D378001	DUAL PCB ASSY	[GY]
	928D374001	JOG PCB ASSY	[B,IR]
	928D379001	JOG PCB ASSY	[E,GY]
	927B987010	MAIN PCB ASSY	[B]
	925B003006	MAIN PCB ASSY	[E]
	925B003005	MAIN PCB ASSY	[GY]
	927B987013	MAIN PCB ASSY	[IR]
	927B997001	OPE PCB ASSY	[B]
	927B997003	OPE PCB ASSY	[E]
	927B997002	OPE PCB ASSY	[GY]
	927B997005	OPE PCB ASSY	[IR]
	928D380001	POWER SAVE PCB ASSY	[E,GY]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION

[MEMO]

DECK ASSEMBLY

DECK ASSEMBLY-1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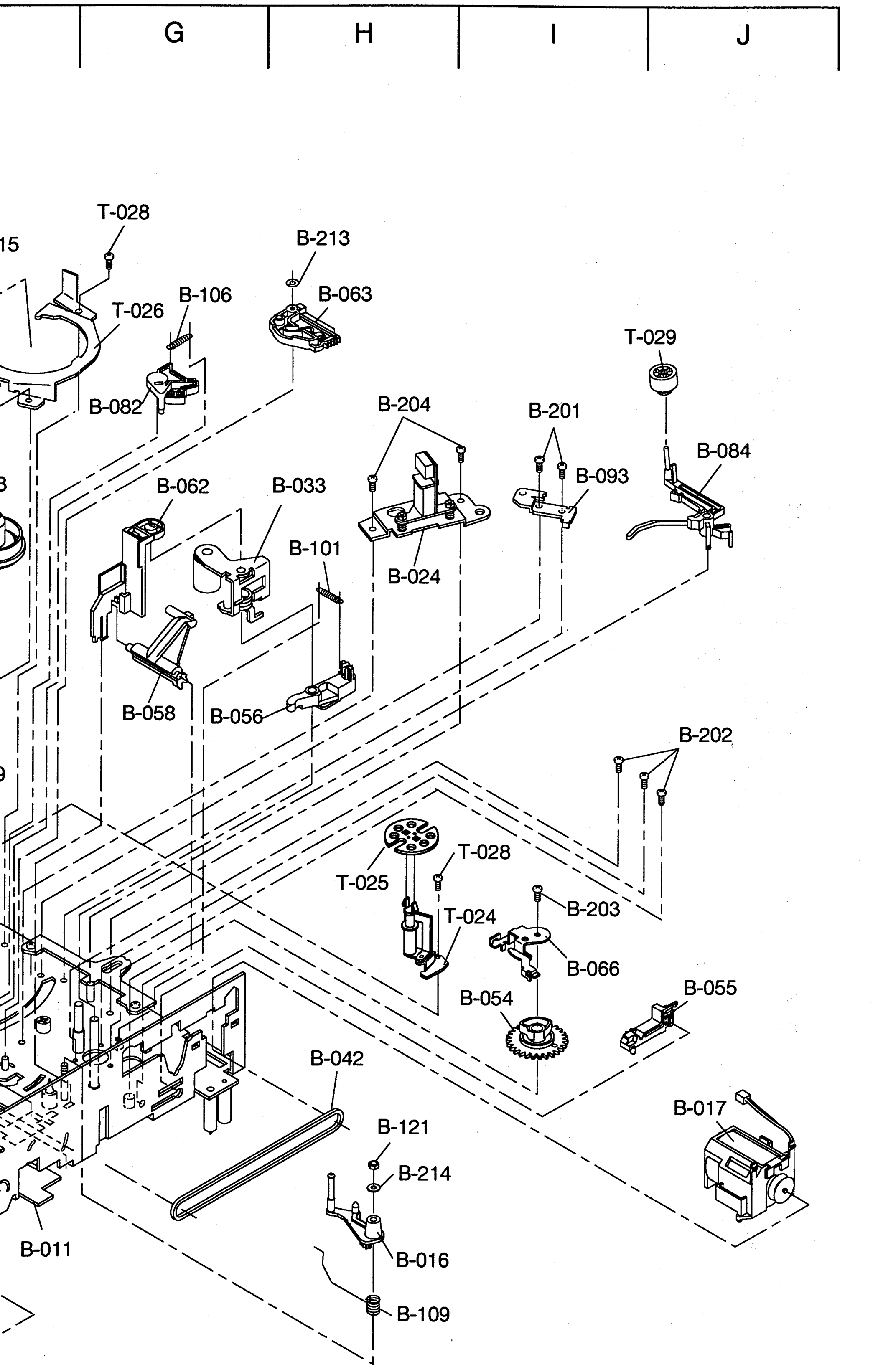
∗ Settled Service Parts

ITEM	PARTS NO.	∗	ADDRESS		PARTS NAM
B-011	948A194O01		F-7		MAIN PLATE ASS
B-012	948C338O01	○	C-7		SYNC GEAR ASS
B-014	948D059O01	○	E-2		TAPE GUIDE ASS
B-015	948D060O01	○	D-1		TAPE GUIDE ASS
B-016	948D062O01	○	H-7		GUIDE ARM ASSY
B-017	928D350O01	○	J-6		LOADING MOTOR
B-024	460C006O10	○	H-3		A/C HEAD UNIT
B-029	621C551O10	○	A-2		WIND LEVER UNI
B-033	593C817O10	○	H-3		PINCH ARM UNIT
B-037	621C557O10	○	B-1		TENSION BEL UN
B-041	460P055O50	○	D-3		FE HEAD
B-042	521D096O10	○	H-6		LOADING BELT
B-054	641B790O10	○	I-5		PINCH CAM GEA
B-055	621C505O10	○	J-5		PINCH RACK SLI
B-056	635C104O10	○	G-4		PINCH CAM LEVE
B-058	635C108O10	○	G-4		PINCH GEAR AR
B-062	641B844O10	○	G-3		PINCH ARM CAP
B-063	621C532O10	○	H-2		LOADING TG LEV
B-064	621C498O10	○	D-7		MODE POSITION
B-065	621C529O10	○	D-6		LOADING LOCK L
B-066	593C923O10		I-5		PINCH CAM HOL
B-067	621C486O10	○	D-6		LAMP GUIDE
B-073	641B788O20	○	C-2	F-3	REEL DISK
B-078	597D572O10	○	D-2		LID HOLDER PLA
B-079	641B782O10	○	D-8		F/L DOOR ARM
B-081	641B800O10	○	E-3		MAIN BRAKE(SP)
B-082	641B801O10	○	G-2		MAIN BRAKE(TU)
B-083	621C530O10	○	D-1		GUIDE ARM(SP)
B-084	641B785O10		J-2		CLEANING ARM
B-092	593C800O10		F-4		GUIDE CATCHER
B-093	593C801O10		I-3		GUIDE CATCHER
B-094	592B274O10		A-3		STAY PLATE
B-095	592B280O10	○	C-1		TENSION ARM
B-099	622D615O10		F-4		SNAP PIN
B-101	572D844O10	○	H-3		PINCH CAM SPRI
B-103	572D858O10	○	D-7		LOADING LOCK S
B-106	572D839O10	○	D-3	G-2	BRAKE SPRING
B-107	572D840O10	○	B-1		TENSION SPRIN
B-109	572D843O10	○	H-7		GUIDE SPRING(T
B-121	674D081O20	○	H-6		NYLON NUT
B-151	515B001O10	○	B-7		BOTTOM UNIT
B-152	515C001O10	○	C-7		F/L ARM UNIT(SP
B-153	515C001O20	○	D-7		F/L ARM UNIT(TU
B-154	621C533O10	○	E-7		SHUT LEVER UNI
B-201	669D224O10		E-3	I-2	SCREW
B-202	669D285O40		J-4		SCREW
B-203	669D224O30		C-3 I-5	D-2	SCREW
B-204	669D476O20	○	H-2		SCREW
B-211	552C017O20	○	C-3	F-3	THRUST WASHE
B-213	552C018O70	○	H-1		CUT WASHER
B-214	683D114O04		H-6		SL WASHER
F-011	635B091O10	○	E-3		TAPE GUIDE(TU)
F-021	522B061O10	○	F-2		GUIDE ROLLER(T
F-031	669D506O90		F-3		SCREW



∗ Settled Service Parts

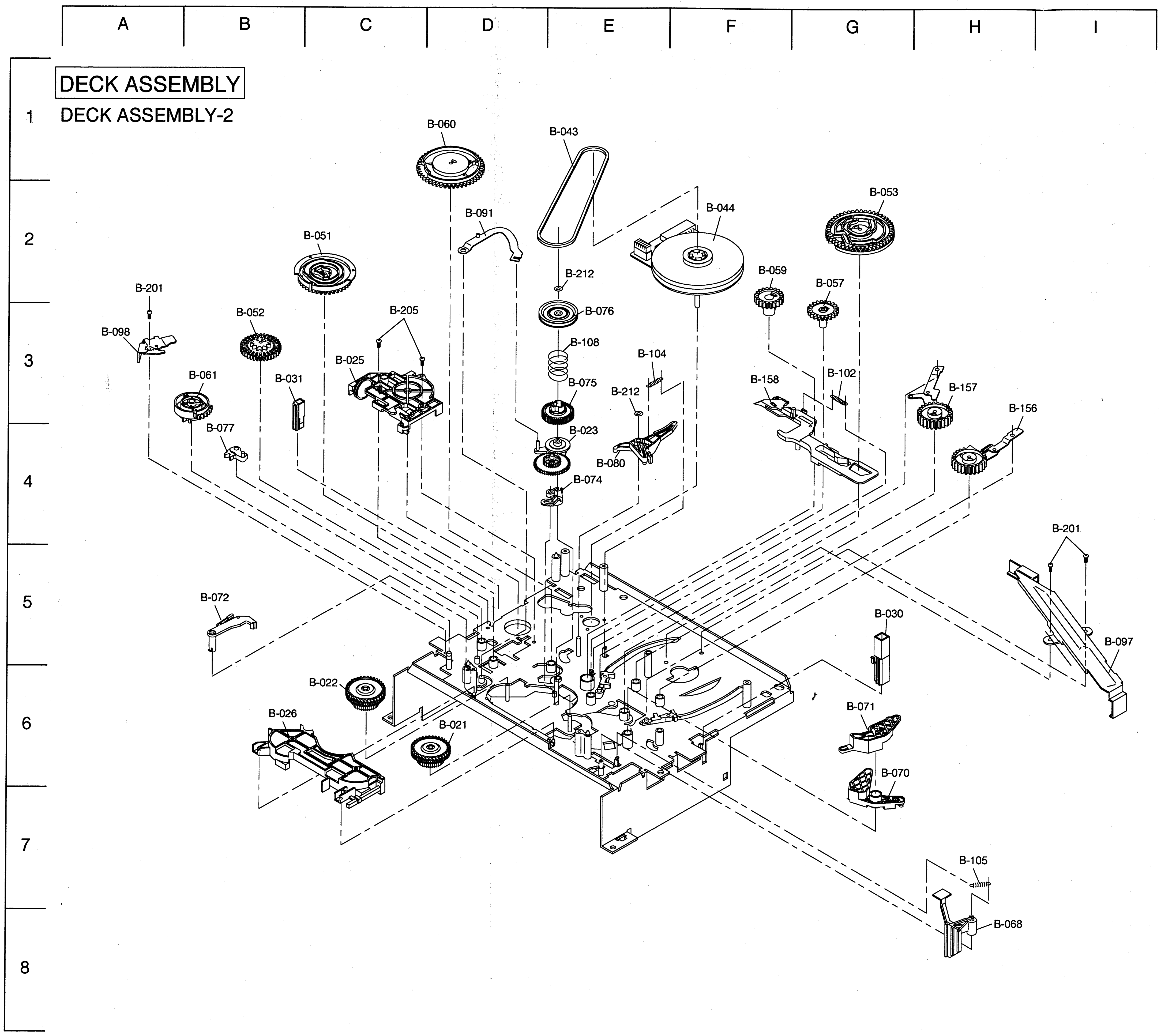
ITEM	PARTS NO.	∗	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
B-011	948A194O01		F-7		MAIN PLATE ASSY		1
B-012	948C338O01	○	C-7		SYNC GEAR ASSY		1
B-014	948D059O01	○	E-2		TAPE GUIDE ASSY(TU)	TAKE UP	1
B-015	948D060O01	○	D-1		TAPE GUIDE ASSY(SP)	SUPPLY	1
B-016	948D062O01	○	H-7		GUIDE ARM ASSY(TU)		1
B-017	928D350O01	○	J-6		LOADING MOTOR ASSY		1
B-024	460C006O10	○	H-3		A/C HEAD UNIT		1
B-029	621C551O10	○	A-2		WIND LEVER UNIT		1
B-033	593C817O10	○	H-3		PINCH ARM UNIT		1
B-037	621C557O10	○	B-1		TENSION BEL UNIT		1
B-041	460P055O50	○	D-3		FE HEAD		1
B-042	521D096O10	○	H-6		LOADING BELT		1
B-054	641B790O10	○	I-5		PINCH CAM GEAR		1
B-055	621C505O10	○	J-5		PINCH RACK SLIDER		1
B-056	635C104O10	○	G-4		PINCH CAM LEVER		1
B-058	635C108O10	○	G-4		PINCH GEAR ARM 2		1
B-062	641B844O10	○	G-3		PINCH ARM CAP 2		1
B-063	621C532O10	○	H-2		LOADING TG LEVER		1
B-064	621C498O10	○	D-7		MODE POSITION GUIDE		1
B-065	621C529O10	○	D-6		LOADING LOCK LEVER		1
B-066	593C923O10		I-5		PINCH CAM HOLDER		1
B-067	621C486O10	○	D-6		LAMP GUIDE		1
B-073	641B788O20	○	C-2	F-3	REEL DISK		2
B-078	597D572O10	○	D-2		LID HOLDER PLATE		1
B-079	641B782O10	○	D-8		F/L DOOR ARM		1
B-081	641B800O10	○	E-3		MAIN BRAKE(SP)	SUPPLY	1
B-082	641B801O10	○	G-2		MAIN BRAKE(TU)	TAKE UP	1
B-083	621C530O10	○	D-1		GUIDE ARM(SP)	SUPPLY	1
B-084	641B785O10		J-2		CLEANING ARM		1
B-092	593C800O10		F-4		GUIDE CATCHER(SP)		1
B-093	593C801O10		I-3		GUIDE CATCHER(TU)		1
B-094	592B274O10		A-3		STAY PLATE		1
B-095	592B280O10	○	C-1		TENSION ARM		1
B-099	622D615O10		F-4		SNAP PIN		1
B-101	572D844O10	○	H-3		PINCH CAM SPRING		1
B-103	572D858O10	○	D-7		LOADING LOCK SPRING		1
B-106	572D839O10	○	D-3	G-2	BRAKE SPRING		2
B-107	572D840O10	○	B-1		TENSION SPRING		1
B-109	572D843O10	○	H-7		GUIDE SPRING(TU)		1
B-121	674D081O20	○	H-6		NYLON NUT		1
B-151	515B001O10	○	B-7		BOTTOM UNIT		1
B-152	515C001O10	○	C-7		F/L ARM UNIT(SP)		1
B-153	515C001O20	○	D-7		F/L ARM UNIT(TU)		1
B-154	621C533O10	○	E-7		SHUT LEVER UNIT		1
B-201	669D224O10		E-3	I-2	SCREW	2.6X6	4
B-202	669D285O40		J-4		SCREW	M2.6X8	3
B-203	669D224O30		C-3 I-5	D-2	SCREW	2.6X10	3
B-204	669D476O20	○	H-2		SCREW	2.6X8	3
B-211	552C017O20	○	C-3	F-3	THRUST WASHER	2.5X6X0.13	6
B-213	552C018O70	○	H-1		CUT WASHER	2.1X5.0X0.5	1
B-214	683D114O04		H-6		SL WASHER		1
F-011	635B091O10	○	E-3		TAPE GUIDE(TU)	TAKE UP	1
F-021	522B061O10	○	F-2		GUIDE ROLLER(TU)		1
F-031	669D506O90		F-3		SCREW	M2X0.4 L=4	1

∗ Settled Service Parts

ITEM	PARTS NO.	∗	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
G-011	635B092O10	○	C-1		TAPE GUIDE(SP)	SUPPLY	1
G-021	522B061O10	○	C-1		GUIDE ROLLER(SP)		1
G-031	669D506O90		D-1		SCREW	M2X0.4 L=4	1
Q-010	927B954O18	○	E-1		UPPER DRUM ASSY		1
Q-015	927B955O04	○	E-1		LOWER DRUM ASSY		1
Q-025	288P158O20	○	E-1		DRUM MOTOR	E20EL50	1
T-024	621C553O10		I-5		IMPEDANCE UNIT(SP)		1
T-025	597D568O10		H-5		FLYWHEEL(SP)		1
T-026	592B345O10		G-2		DRUM CLAMPER		1
T-028	669D224O10		F-2	G-1	SCREW	2.6X6	3
T-029	622D598O10		I-2		CLEANING ROLLER UNIT		1

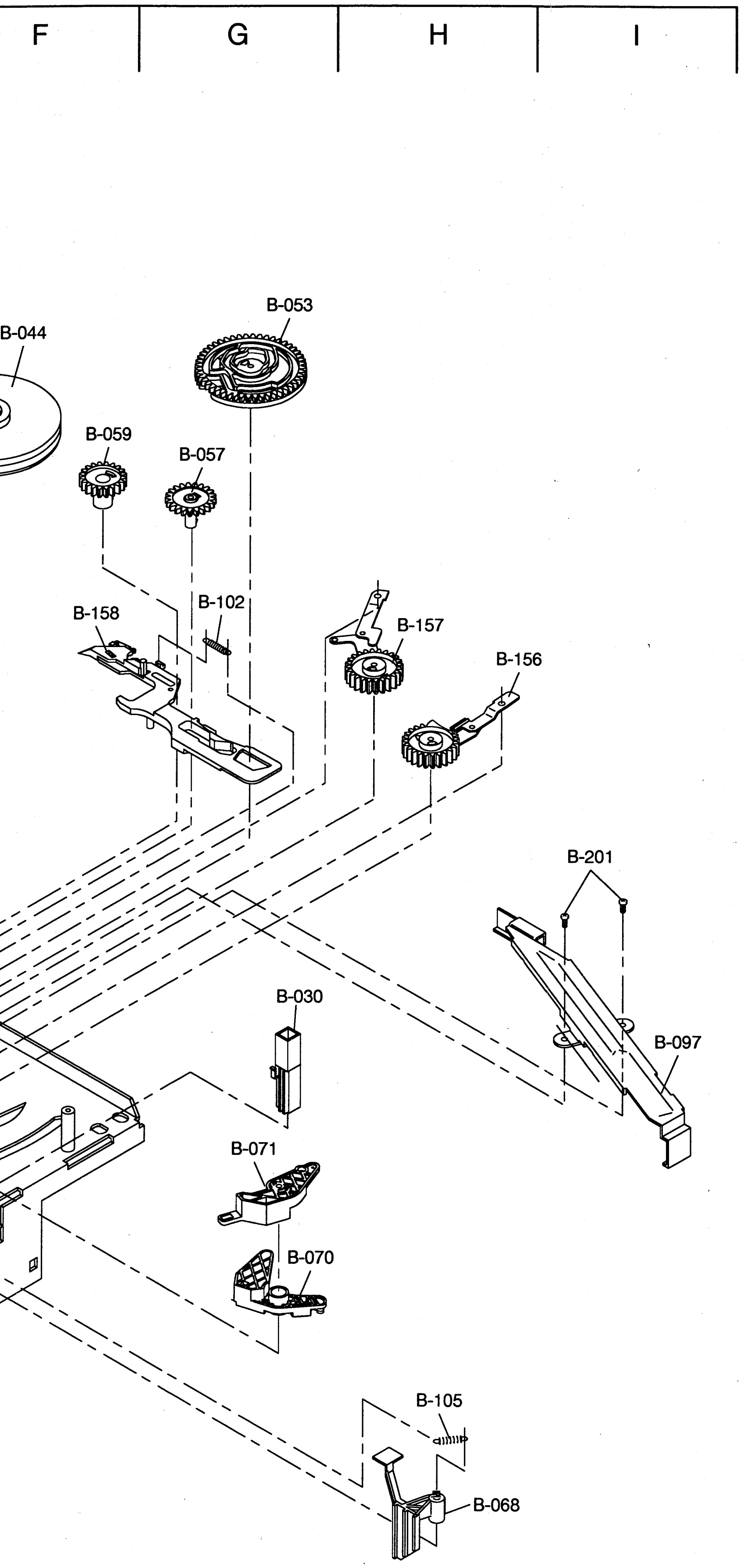
DECK ASSEMBLY

DECK ASSEMBLY-2


A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
7
8
B-060
B-043
B-044
B-053
B-091
B-051
B-212
B-059
B-076
B-057
B-201
B-052
B-205
B-098
B-108
B-104
B-025
B-061
B-031
B-075
B-212
B-158
B-102
B-157
B-156
B-077
B-023
B-080
B-074
B-201
B-072
B-030
B-097
B-022
B-026
B-021
B-071
B-070
B-105
B-068

* Settled Service Parts

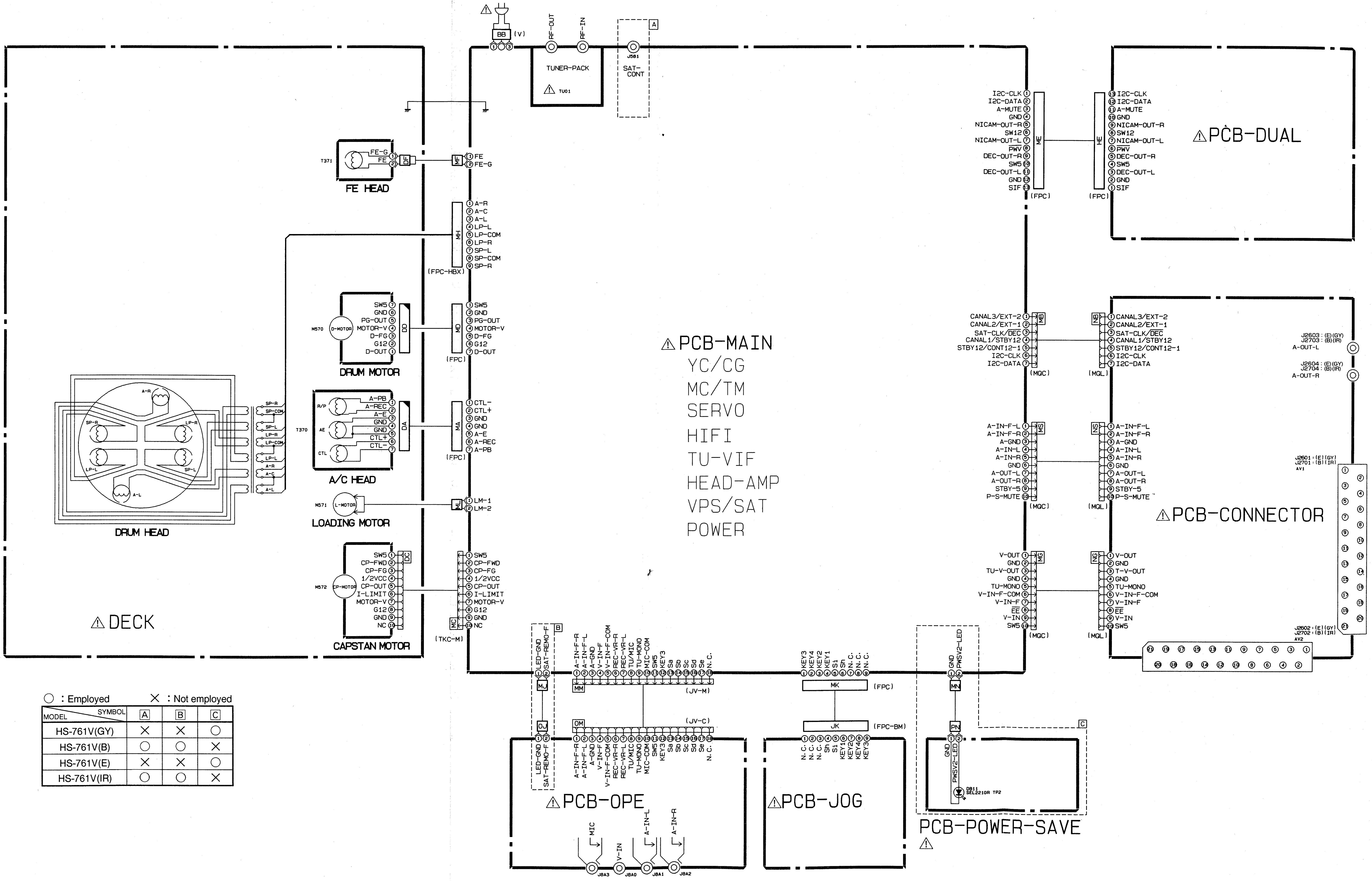
ITEM	PARTS NO.	*	ADDRESS		PARTS NAME
B-021	641B805O50	○	D-6		REEL GEAR UNIT(S
B-022	641B805O60	○	C-6		REEL GEAR UNIT(T
B-023	621C536O10	○	E-4		IDLER UNIT
B-025	621C538O10	○	C-3		WORM PULLEY UNI
B-026	641B827O10	○	B-6		PHOTO UNIT
B-030	622D585O10	○	G-5		PHOTO GUIDE UNIT
B-031	622D586O10	○	B-3		PHOTO GUIDE UNIT
B-043	521D097O10	○	E-1		REEL BELT
B-044	288P159O10	○	F-2		CAPSTAN MOTOR
B-051	641B794O10	○	C-2		MODE GEAR
B-052	621C504O10	○	B-3		LOADING WORM GE
B-053	641B791O10	○	G-2		CAM GEAR(SP)
B-057	621C503O10	○	G-2		LOADING GEAR
B-059	621C502O10	○	F-2		LAMP LOADING GE
B-060	641B792O10	○	D-1		CAM GEAR(TU)
B-061	641B793O10	○	B-3		F/L DRIVE GEAR
B-068	641B817O10	○	H-8		REC LEVER
B-070	641B838O10	○	G-6		TENSION LEVER UN
B-071	621C508O10	○	G-6		CONTROL WIND LE
B-072	621C506O10	○	B-5		REEL LOCK LEVER
B-074	621C494O10	○	E-4		SHIFT LEVER
B-075	621C493O10	○	E-3		PULLEY GEAR
B-076	621C492O10	○	E-3		BELT PULLEY
B-077	635C106O10		B-4		F/L DRIVE LEVER
B-080	641B819O10	○	E-4		CAPSTAN BRAKE
B-091	593C799O10	○	D-2		IDLER CENTER LEV
B-097	592B365O10		I-5		MAIN PLATE SUPPO
B-098	593C903O10		A-3		MODE HOLDER
B-102	572D835O10	○	G-3		CAM SPRING(C)
B-104	572D842O10	○	E-3		CAPSTAN BRAKE SP
B-105	572D870O10	○	H-7		REC SPRING
B-108	572D865O10	○	E-3		SHIFT SPRING
B-156	593C825O10	○	H-3		LOADING ARM UNIT
B-157	593C826O10	○	H-3		LOADING ARM UNIT
B-158	621C537O10	○	F-3		CAM PLATE UNIT(C)
B-201	669D224O10		A-2	I-4	SCREW
B-205	669D224O50		C-3		SCREW
B-212	552C018O10	○	E-2	E-3	CUT WASHER



＊ Settled Service Parts

ITEM	PARTS NO.	＊	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
B-021	641B805O50	○	D-6		REEL GEAR UNIT(SP)	SUPPLY	1
B-022	641B805O60	○	C-6		REEL GEAR UNIT(TU)	TAKE UP	1
B-023	621C536O10	○	E-4		IDLER UNIT		1
B-025	621C538O10	○	C-3		WORM PULLEY UNIT		1
B-026	641B827O10	○	B-6		PHOTO UNIT		1
B-030	622D585O10	○	G-5		PHOTO GUIDE UNIT(SP)	SUPPLY	1
B-031	622D586O10	○	B-3		PHOTO GUIDE UNIT(TU)	TAKE UP	1
B-043	521D097O10	○	E-1		REEL BELT		1
B-044	288P159O10	○	F-2		CAPSTAN MOTOR	F2QTB22	1
B-051	641B794O10	○	C-2		MODE GEAR		1
B-052	621C504O10	○	B-3		LOADING WORM GEAR		1
B-053	641B791O10	○	G-2		CAM GEAR(SP)	SUPPLY	1
B-057	621C503O10	○	G-2		LOADING GEAR		1
B-059	621C502O10	○	F-2		LAMP LOADING GEAR		1
B-060	641B792O10	○	D-1		CAM GEAR(TU)	TAKE UP	1
B-061	641B793O10	○	B-3		F/L DRIVE GEAR		1
B-068	641B817O10	○	H-8		REC LEVER		1
B-070	641B838O10	○	G-6		TENSION LEVER UNIT		1
B-071	621C508O10	○	G-6		CONTROL WIND LEVER		1
B-072	621C506O10	○	B-5		REEL LOCK LEVER		1
B-074	621C494O10	○	E-4		SHIFT LEVER		1
B-075	621C493O10	○	E-3		PULLEY GEAR		1
B-076	621C492O10	○	E-3		BELT PULLEY		1
B-077	635C106O10		B-4		F/L DRIVE LEVER		1
B-080	641B819O10	○	E-4		CAPSTAN BRAKE		1
B-091	593C799O10	○	D-2		IDLER CENTER LEVER		1
B-097	592B365O10		I-5		MAIN PLATE SUPPORT		1
B-098	593C903O10		A-3		MODE HOLDER		1
B-102	572D835O10	○	G-3		CAM SPRING(C)		1
B-104	572D842O10	○	E-3		CAPSTAN BRAKE SPRING		1
B-105	572D870O10	○	H-7		REC SPRING		1
B-108	572D865O10	○	E-3		SHIFT SPRING		1
B-156	593C825O10	○	H-3		LOADING ARM UNIT(SP)	SUPPLY	1
B-157	593C826O10	○	H-3		LOADING ARM UNIT(TU)	TAKE UP	1
B-158	621C537O10	○	F-3		CAM PLATE UNIT(C)		1
B-201	669D224O10		A-2	I-4	SCREW	2.6X6	3
B-205	669D224O50		C-3		SCREW	2.6X14	2
B-212	552C018O10	○	E-2	E-3	CUT WASHER	2.5X6.0X0.5	2

PCB-BLOCK DIAGRAM

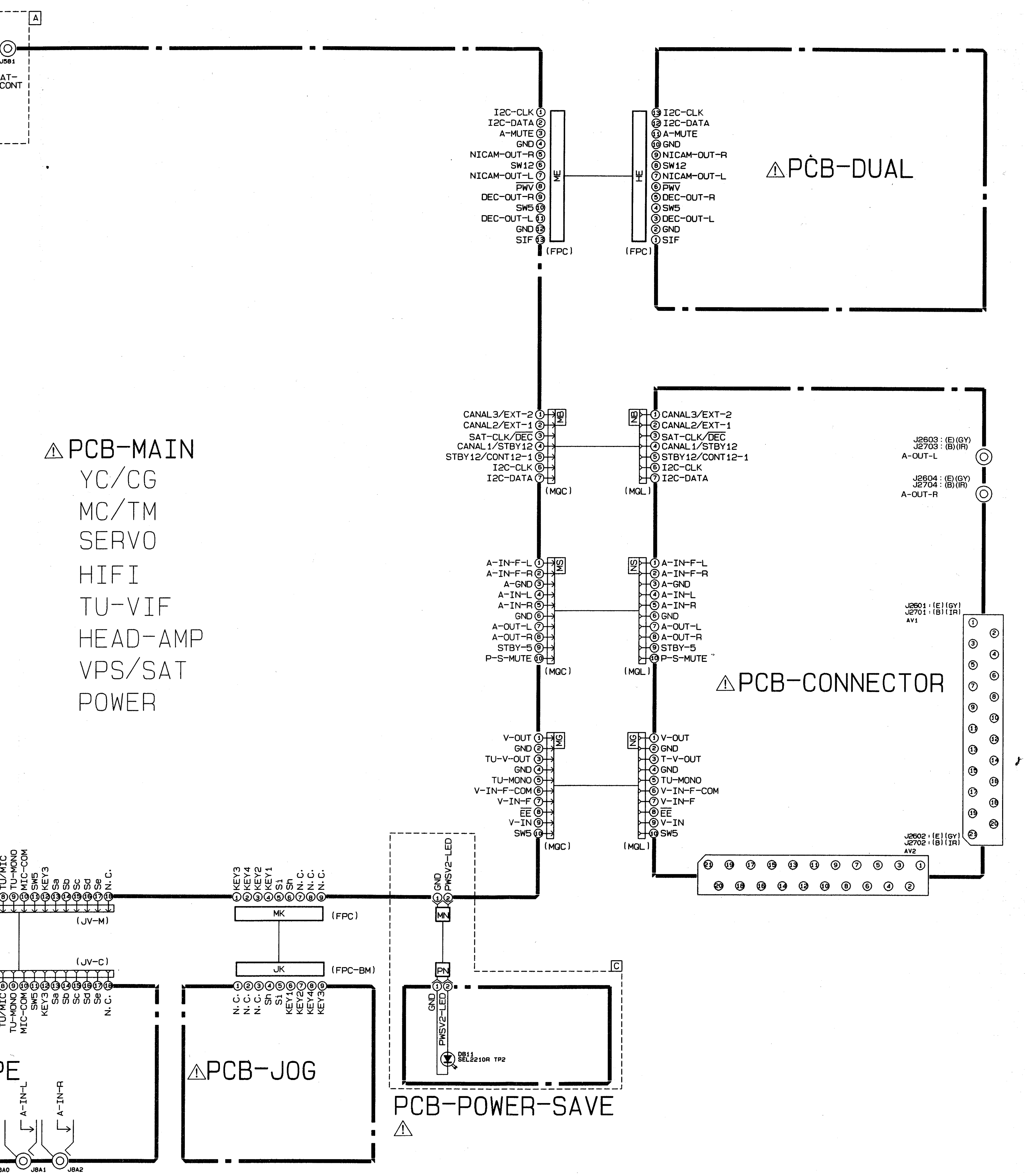


⚠PCB-MAIN
YC/CG
MC/TM
SERVO
HIFI
TU-VIF
HEAD-AMP
VPS/SAT
POWER
⚠DECK
⚠PCB-DUAL
⚠PCB-CONNECTOR
⚠PCB-OPE
⚠PCB-JOG
PCB-POWER-SAVE ⚠
BB (V)
RF-OUT
RF-IN
TUNER-PACK
TU01
SAT-CONT
J581
A
B
C
FE HEAD
T371
FE-G
FE
DF
MF
①FE ②FE-G
MH
(FPC-HBX)
①A-R ②A-C ③A-L ④LP-L ⑤LP-COM ⑥LP-R ⑦SP-L ⑧SP-COM ⑨SP-R
DRUM MOTOR
M570
D-MOTOR
SW5⑦ GND⑥ PG-OUT⑤ MOTOR-V④ D-FG③ G12② D-OUT①
DD
MD
(FPC)
①SW5 ②GND ③PG-OUT ④MOTOR-V ⑤D-FG ⑥G12 ⑦D-OUT
DRUM HEAD
A-R SP-R LP-R LP-L SP-L A-L
SP-R SP-COM SP-L LP-R LP-COM LP-L A-R A-C A-L
A/C HEAD
T370
R/P AE CTL
A-PB① A-REC② A-E③ GND④ GND⑤ CTL+⑥ CTL-⑦
DA
MA
①CTL- ②CTL+ ③GND ④GND ⑤A-E ⑥A-REC ⑦A-PB
LOADING MOTOR
M571
L-MOTOR
ML
①LM-1 ②LM-2
CAPSTAN MOTOR
M572
CP-MOTOR
SW5① CP-FWD② CP-FG③ 1/2VCC④ CP-OUT⑤ I-LIMIT⑥ MOTOR-V⑦ G12⑧ GND⑨ NC⑩
DC
MC
(TKC-M)
①SW5 ②CP-FWD ③CP-FG ④1/2VCC ⑤CP-OUT ⑥I-LIMIT ⑦MOTOR-V ⑧G12 ⑨GND ⑩NC
ME
(FPC)
I2C-CLK① I2C-DATA② A-MUTE③ GND④ NICAM-OUT-R⑤ SW12⑥ NICAM-OUT-L⑦ PWV⑧ DEC-OUT-R⑨ SW5⑩ DEC-OUT-L⑪ GND⑫ SIF⑬
HE
⑬I2C-CLK ⑫I2C-DATA ⑪A-MUTE ⑩GND ⑨NICAM-OUT-R ⑧SW12 ⑦NICAM-OUT-L ⑥PWV ⑤DEC-OUT-R ④SW5 ③DEC-OUT-L ②GND ①SIF
MB
(MQC)
CANAL3/EXT-2① CANAL2/EXT-1② SAT-CLK/DEC③ CANAL1/STBY12④ STBY12/CONT12-1⑤ I2C-CLK⑥ I2C-DATA⑦
NB
(MQL)
①CANAL3/EXT-2 ②CANAL2/EXT-1 ③SAT-CLK/DEC ④CANAL1/STBY12 ⑤STBY12/CONT12-1 ⑥I2C-CLK ⑦I2C-DATA
J2603 : (E)(GY) J2703 : (B)(IR) A-OUT-L
J2604 : (E)(GY) J2704 : (B)(IR) A-OUT-R
MS
A-IN-F-L① A-IN-F-R② A-GND③ A-IN-L④ A-IN-R⑤ GND⑥ A-OUT-L⑦ A-OUT-R⑧ STBY-5⑨ P-S-MUTE⑩
NS
①A-IN-F-L ②A-IN-F-R ③A-GND ④A-IN-L ⑤A-IN-R ⑥GND ⑦A-OUT-L ⑧A-OUT-R ⑨STBY-5 ⑩P-S-MUTE
J2601 : (E)(GY) J2701 : (B)(IR) AV1
MG
V-OUT① GND② TU-V-OUT③ GND④ TU-MONO⑤ V-IN-F-COM⑥ V-IN-F⑦ EE⑧ V-IN⑨ SW5⑩
NG
①V-OUT ②GND ③T-V-OUT ④GND ⑤TU-MONO ⑥V-IN-F-COM ⑦V-IN-F ⑧EE ⑨V-IN ⑩SW5
J2602 : (E)(GY) J2702 : (B)(IR) AV2
MJ
OJ
①LED-GND ②SAT-REMO-F
MM
(JV-M)
OM
(JV-C)
①A-IN-F-R ②A-IN-F-L ③A-GND ④V-IN-F ⑤V-IN-F-COM ⑥REC-VR-R ⑦REC-VR-L ⑧TU/MIC ⑨TU-MONO ⑩MIC-COM ⑪SW5 ⑫KEY3 ⑬Sa ⑭Sb ⑮Sc ⑯Sd ⑰Se ⑱N.C.
MIC V-IN A-IN-L A-IN-R
J8A3 J8A0 J8A1 J8A2
MK
(FPC)
①KEY3 ②KEY4 ③KEY2 ④KEY1 ⑤Sh ⑥Sl ⑦N.C. ⑧N.C. ⑨N.C.
JK
(FPC-BM)
N.C. N.C. N.C. Sh Sl KEY1 KEY2 KEY4 KEY3
MN
PN
①GND ②PWSV2-LED
D811 SEL2210R TP2

○ : Employed ✕ : Not employed

MODEL \ SYMBOL	A	B	C
HS-761V(GY)	✕	✕	○
HS-761V(B)	○	○	✕
HS-761V(E)	✕	✕	○
HS-761V(IR)	○	○	✕

-BLOCK DIAGRAM


6
7
8
9
10
11
A
J581
SAT-
CONT
I2C-CLK ①
I2C-DATA ②
A-MUTE ③
GND ④
NICAM-OUT-R ⑤
SW12 ⑥
NICAM-OUT-L ⑦
PWV ⑧
DEC-OUT-R ⑨
SW5 ⑩
DEC-OUT-L ⑪
GND ⑫
SIF ⑬
ME
HE
(FPC)
(FPC)
⑬ I2C-CLK
⑫ I2C-DATA
⑪ A-MUTE
⑩ GND
⑨ NICAM-OUT-R
⑧ SW12
⑦ NICAM-OUT-L
⑥ PWV
⑤ DEC-OUT-R
④ SW5
③ DEC-OUT-L
② GND
① SIF
⚠PCB-DUAL
⚠PCB-MAIN
YC/CG
MC/TM
SERVO
HIFI
TU-VIF
HEAD-AMP
VPS/SAT
POWER
MB
NB
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DEC
CANAL1/STBY12
STBY12/CONT12-1
I2C-CLK
I2C-DATA
(MQC)
(MQL)
J2603 : (E)(GY)
J2703 : (B)(IR)
A-OUT-L
J2604 : (E)(GY)
J2704 : (B)(IR)
A-OUT-R
MS
NS
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY-5
P-S-MUTE
J2601 : (E)(GY)
J2701 : (B)(IR)
AV1
⚠PCB-CONNECTOR
MG
NG
V-OUT
GND
TU-V-OUT
T-V-OUT
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW5
J2602 : (E)(GY)
J2702 : (B)(IR)
AV2
TU/MIC
TU-MONO
MIC-COM
SW5
KEY3
Sa
Sb
Sc
Sd
Se
N.C.
(JV-M)
(JV-C)
KEY3
KEY4
KEY2
KEY1
Si
Sh
N.C.
MK
(FPC)
JK
(FPC-BM)
GND
PWSV2-LED
MN
PN
C
DB11
SEL2210R TP2
PE
A-IN-L
A-IN-R
J8A0
J8A1
J8A2
⚠PCB-JOG
PCB-POWER-SAVE
⚠

CONTENTS

①	PCB-BLOCK DIAGRAM
②	PCB-MAIN (TU-VIF) (HEAD-AMP)
③	PCB-CONNECTOR
④	PCB-DUAL PCB-MAIN (HIFI)
⑤	PCB-MAIN (YC/CG)
⑥	PCB-MAIN (MC/TM) PCB-POWER-SAVE TRANSMITTER REMOTE CONTROLLER
⑦	PCB-MAIN (SERVO) (VPS/SAT)
⑧	PCB-MAIN (POWER)
⑨	PCB-OPE PCB-JOG
⑩ ∫ ⑫	PATTERN

⚠

SERVICING PRECAUTION

SYMBOLS INDICATE COMPONENTS HAVING SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND PERFORMANCE. THEREFOR REPLACEMENT OF ANY SAFETY PARTS SHOULD BE IDENTICAL IN VALUE AND CHARACTERISTICS.

DON'T DEGRADE THE SAFETY OF THE VCR THROUGH IMPROPER SERVICING.

SCHEMATIC DIAGRAM

• NOTE

1. Each voltage should be within ±20% of the DC voltages measured with a digital voltmeter.
2. The voltages parenthesised are on SP recording mode. While those without parenthesised on SP play back mode.
3. Waveforme were taken with standard colour bar signal.
4. TP6A, etc. show Test Points.

5. CAPACITORS

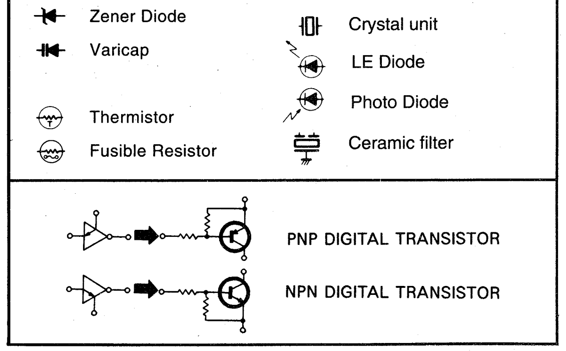
Value	Not indicated [PF, for numbers more than 1 μF, for numbers less than 1		
Dielectric Strength	Not indicated :50V		
Tolerance	Not indicated =±10% [No Tolerance is indicated for electrolytic capacitors and ±20%] G=±2% P=+100% −0% Q=+30% −10% C=±0.25PF J=±5% D=±0.5PF K=±10% Z=+80% −20% T=+200% −0% F=±1PF M=±20% G=±2PF		
Sort	I	Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF.PP) : Polyester polypropylene film capacitor (PS) : Styrol capacitor (TAN) or (TANT) : Tantalum capacitor —⊣⊢— : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor
	II	Chips	Not indicated : Ceramic capacitor chip —⊣⊢— : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor chip
Characteristic (only ceramic capacitor)	Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types		

6. Resistors

Value	Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)		
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W	
	Chips	Not indicated = 1/10W	
Tolerance	Not indicated =±5% D=±0.5% J=±5% F=±1% K=±10%		
Short	I	Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resister (W) : Wire wound resister (M) : Metal film resister (MPC) : Metal plate cement resister (ML) : Metal liner resister
	II	Chip	Not indicated : Chip resistor

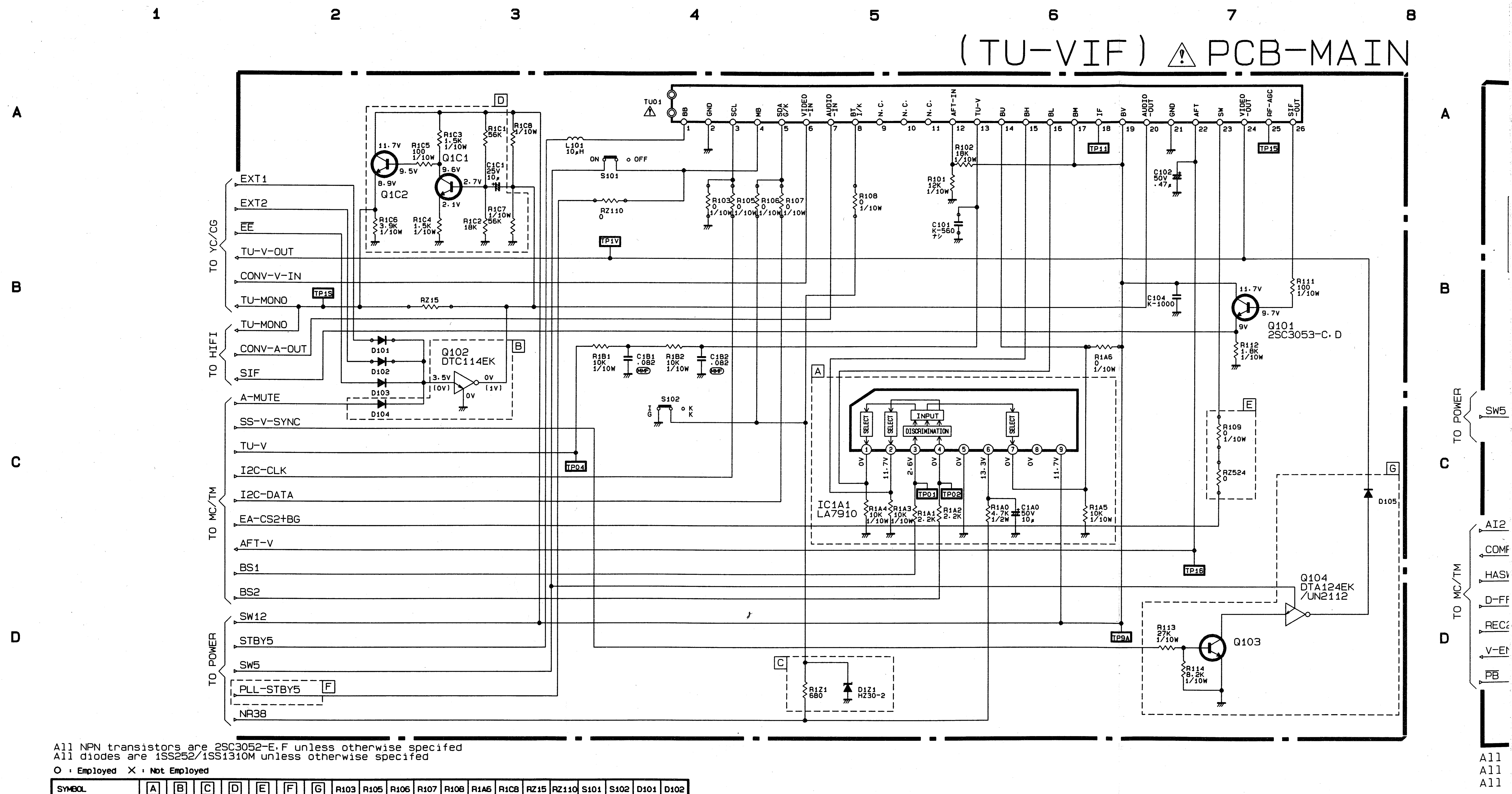
7. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

SPECIFIC SYMBOL


Zener Diode
Varicap
Thermistor
Fusible Resistor
Crystal unit
LE Diode
Photo Diode
Ceramic filter
PNP DIGITAL TRANSISTOR
NPN DIGITAL TRANSISTOR

HS-761V(B)/V(E)/V(GY)/V(IR)

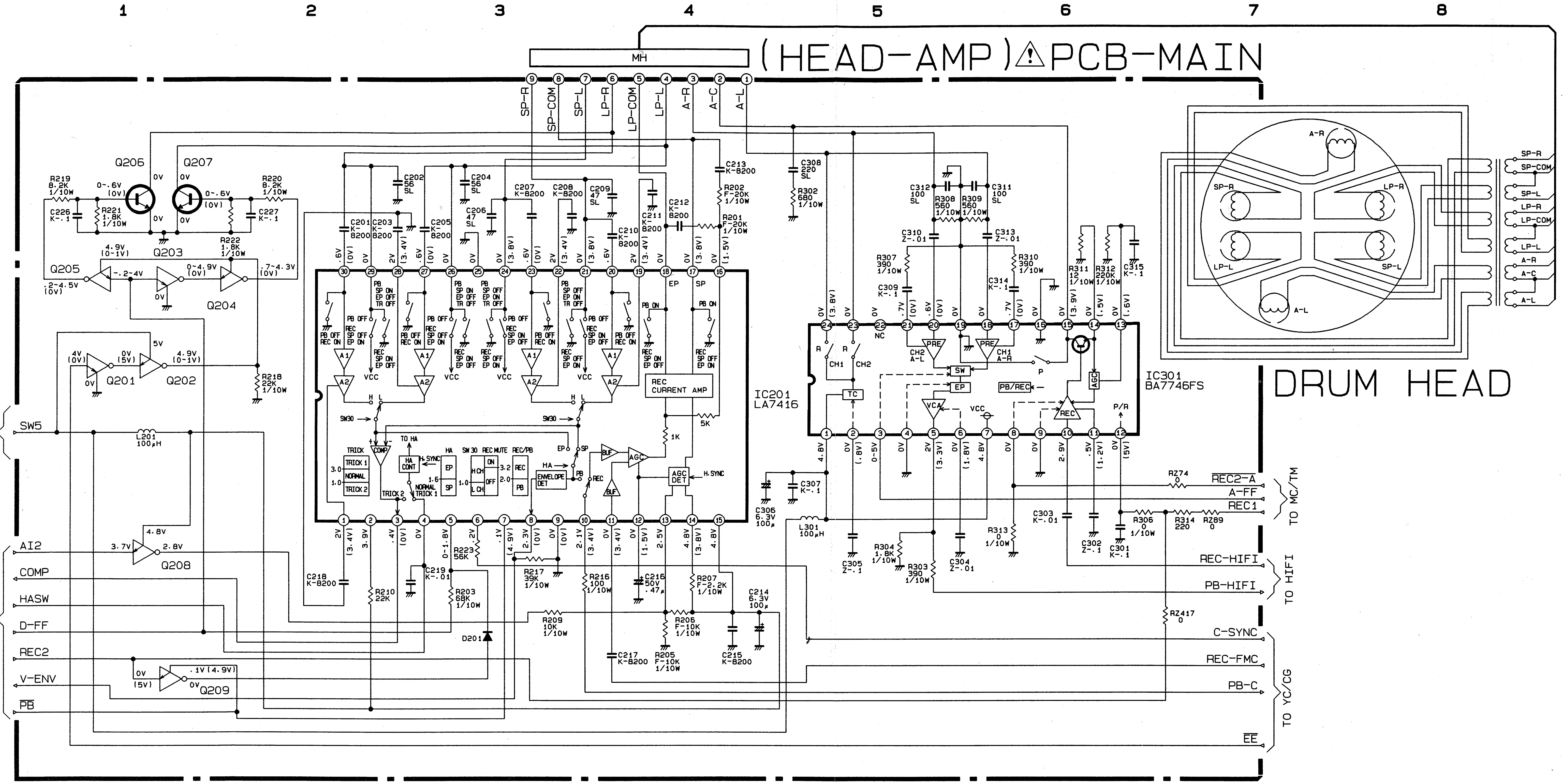
(TU-VIF) ⚠ PCB-MAIN


1
2
3
4
5
6
7
8
A
B
C
D
E
TU01
BB
GND
SCL
MB
SDA G/K
VIDEO -IN
AUDIO -IN
BT I/K
N.C.
AFT-IN
TU-V
BU
BH
BL
BM
IF
BV
AUDIO -OUT
AFT
SW
VIDEO -OUT
RF-AGC
SIF -OUT
TO YC/CG
EXT1
EXT2
EE
TU-V-OUT
CONV-V-IN
TU-MONO
TO HIFI
CONV-A-OUT
SIF
TO MC/TM
A-MUTE
SS-V-SYNC
TU-V
I2C-CLK
I2C-DATA
EA-CS2+BG
AFT-V
BS1
BS2
TO POWER
SW12
STBY5
SW5
PLL-STBY5
NR38
Q1C1
Q1C2
Q102 DTC114EK
Q101 2SC3053-C, D
Q103
Q104 DTA124EK /UN2112
IC1A1 LA7910
SELECT
INPUT
DISCRIMINATION
D101
D102
D103
D104
D105
D1Z1 HZ30-2
L101 10μH
S101
ON
OFF
S102
RZ110
RZ15
RZ524
TP1S
TP1V
TP04
TP11
TP15
TP16
TP9A
TP01
TP02
AI2
COMP
HASW
D-FF
REC2
V-EN
PB
All
All
All

All NPN transistors are 2SC3052-E,F unless otherwise specifed
All diodes are 1SS252/1SS1310M unless otherwise specifed

○ : Employed ✕ : Not Employed

SYMBOL	A	B	C	D	E	F	G	R103	R105	R106	R107	R108	R1A6	R1C8	RZ15	RZ110	S101	S102	D101	D102
ADDRESS	C-5	C-3	D-5	A-3	B-7	C-5	C-8	A-4	A-4	A-4	A-4	A-5	B-6	A-3	B-2	A-4	C-4	C-4	C-2	C-2
HS-761V(E)/V(GY)	○	○	✕	○	✕	✕	✕	✕	✕	✕	✕	✕	✕	560K	✕	✕	○	✕	✕	✕
HS-761V(B)	✕	○	○	✕	✕	○	✕	✕	○	✕	○	○	○	330K	○	○	✕	✕	✕	✕
HS-761V(IR)	○	○	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	330K	○	✕	○	✕	✕	✕


1
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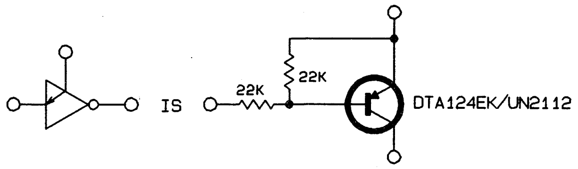
8
(HEAD-AMP) ⚠ PCB-MAIN
MH
SP-R
SP-COM
SP-L
LP-R
LP-COM
LP-L
A-R
A-C
A-L
DRUM HEAD
A-R
SP-R
LP-R
LP-L
SP-L
A-L
Q206
Q207
Q205
Q203
Q204
Q201
Q202
Q208
Q209
R219 8.2K 1/10W
R220 8.2K 1/10W
R221 1.8K 1/10W
R222 1.8K 1/10W
C226 K-.1
C227 K-.1
R218 22K 1/10W
L201 100μH
IC201 LA7416
IC301 BA7746FS
C201 K-8200
C202 56 SL
C203 K-8200
C204 56 SL
C205 K-8200
C206 47 SL
C207 K-8200
C208 K-8200
C209 47 SL
C210 K-8200
C211 K-8200
C212 K-8200
C213 K-8200
R202 F-20K 1/10W
R201 F-20K 1/10W
C308 220 SL
R302 680 1/10W
C312 100 SL
C311 100 SL
R308 560 1/10W
R309 560 1/10W
C310 Z-.01
C313 Z-.01
R307 390 1/10W
R310 390 1/10W
C309 K-.1
C314 K-.1
R311 12 1/10W
R312 220K 1/10W
C315 K-.1
REC CURRENT AMP
AGC DET
H.SYNC
ENVELOPE DET
TRICK
TRICK 1
NORMAL
TRICK 2
HA CONT
TO HA
COMP
BUF
AGC
SW30
REC MUTE
REC/PB
PRE
SW
EP
TC
VCA
REC
PB/REC
P/R
CH1
CH2
C218 K-8200
R210 22K
C219 K-.01
R203 68K 1/10W
R223 56K
R217 39K 1/10W
R216 100 1/10W
C216 50V .47μ
R207 F-2.2K 1/10W
C214 6.3V 100μ
R209 10K 1/10W
R206 F-10K 1/10W
R205 F-10K 1/10W
C217 K-8200
C215 K-8200
D201
C306 6.3V 100μ
C307 K-.1
L301 100μH
C305 Z-.1
R304 1.8K 1/10W
R303 390 1/10W
C304 Z-.01
R313 0 1/10W
C303 K-.01
C302 Z-.1
C301 K-.1
R306 0 1/10W
R314 220
RZ89 0
RZ74 0
RZ417 0
SW5
AI2
COMP
HASW
D-FF
REC2
V-ENV
PB
REC2-A
A-FF
REC1
TO MC/TM
REC-HIFI
PB-HIFI
TO HIFI
C-SYNC
REC-FMC
PB-C
EE
TO YC/CG

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3053-C,D unless otherwise specified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.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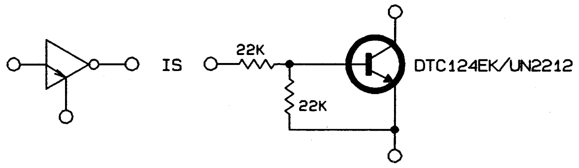
22K
22K
DTA124EK/UN2112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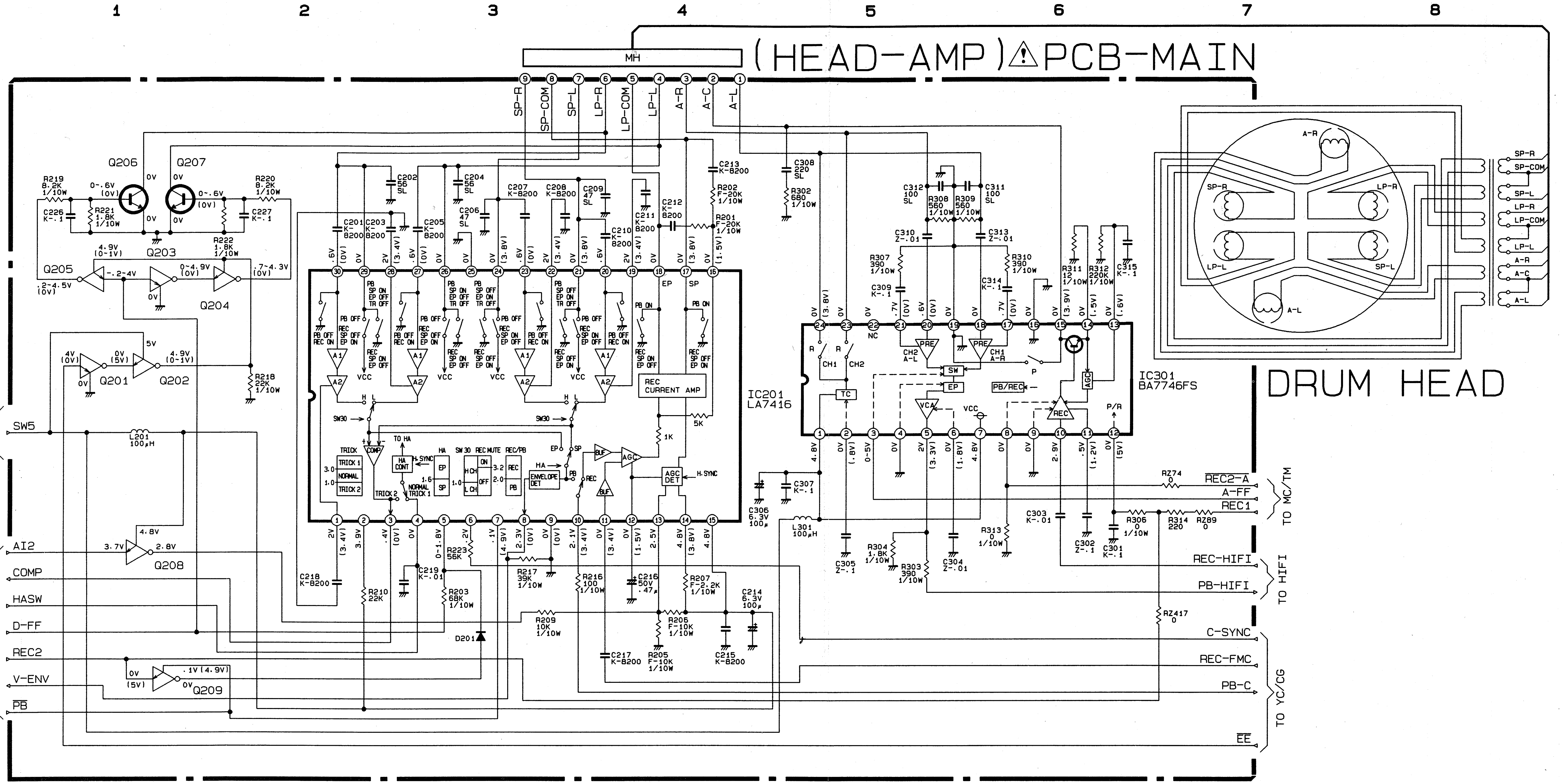
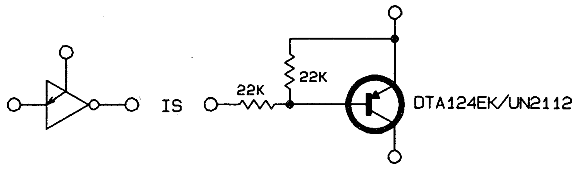
22K
DTC124EK/UN2212


1
2
3
4
5
6
7
8
(HEAD-AMP) ⚠ PCB-MAIN
MH
SP-R
SP-COM
SP-L
LP-R
LP-COM
LP-L
A-R
A-C
A-L
DRUM HEAD
Q206
Q207
Q205
Q203
Q204
Q201
Q202
Q208
Q209
IC201
LA7416
IC301
BA7746FS
SW5
AI2
COMP
HASW
D-FF
REC2
V-ENV
PB
L201
100μH
L301
100μH
D201
REC CURRENT AMP
AGC DET
ENVELOPE DET
TRICK 1
NORMAL
TRICK 2
HA CONT
H.SYNC
REC2-A
A-FF
REC1
TO MC/TM
REC-HIFI
PB-HIFI
TO HIFI
C-SYNC
REC-FMC
PB-C
EE
TO YC/CG

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3053-C,D unless otherwise specified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.


IS
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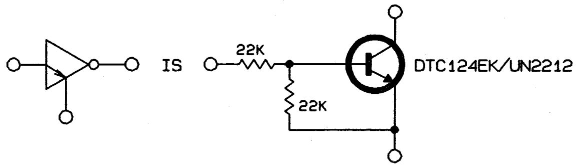
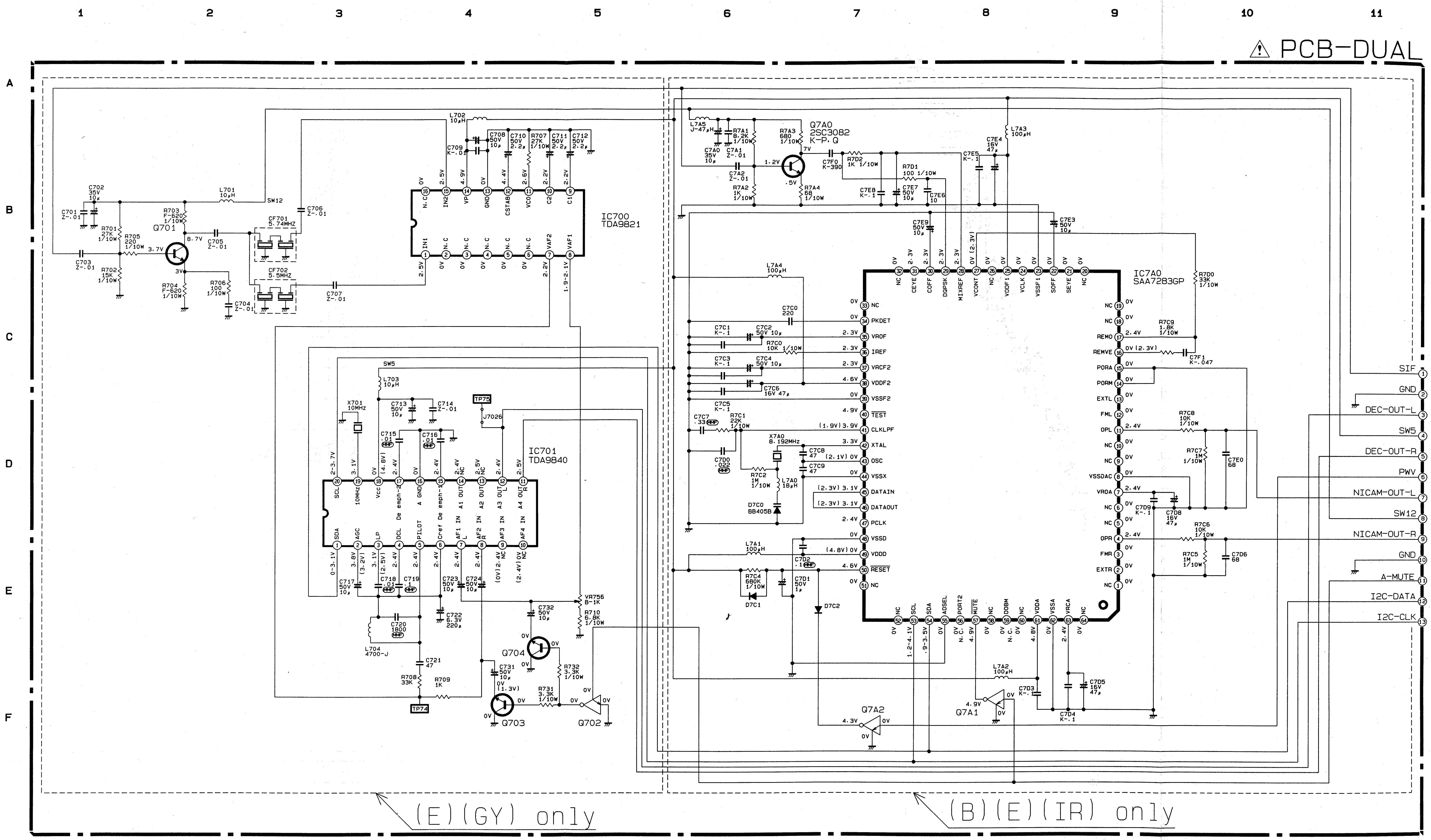
22K
DTA124EK/UN2112


IS
22K
22K
DTC124EK/UN2212

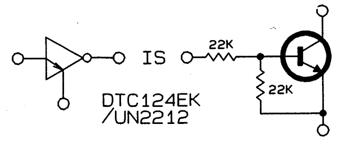

⚠ PCB-DUAL
IC700 TDA9821
IC701 TDA9840
IC7A0 SAA7283GP
Q7A0 2SC3082 K-P,Q
Q701
Q702
Q703
Q704
Q7A1
Q7A2
CF701 5.74MHZ
CF702 5.5MHZ
X701 10MHz
X7A0 8.192MHz
D7C0 BB405B
D7C1
D7C2
VR756 B-1K
TP74
TP75
J7026
SW5
SW12
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
HE
(E)(GY) only
(B)(E)(IR) only

IC-BLOCK DIAGRAM on next page.

All diodes are 1SS252 unless otherwise specified.

All NPN transistors are 2SC3053-C,D unless otherwise specified.

All PNP transistors are 2SA1235-E,F unless otherwise specified.


IS
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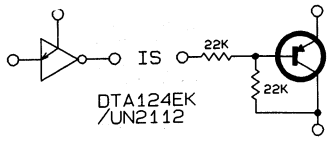
22K
DTC124EK
/UN2212


IS
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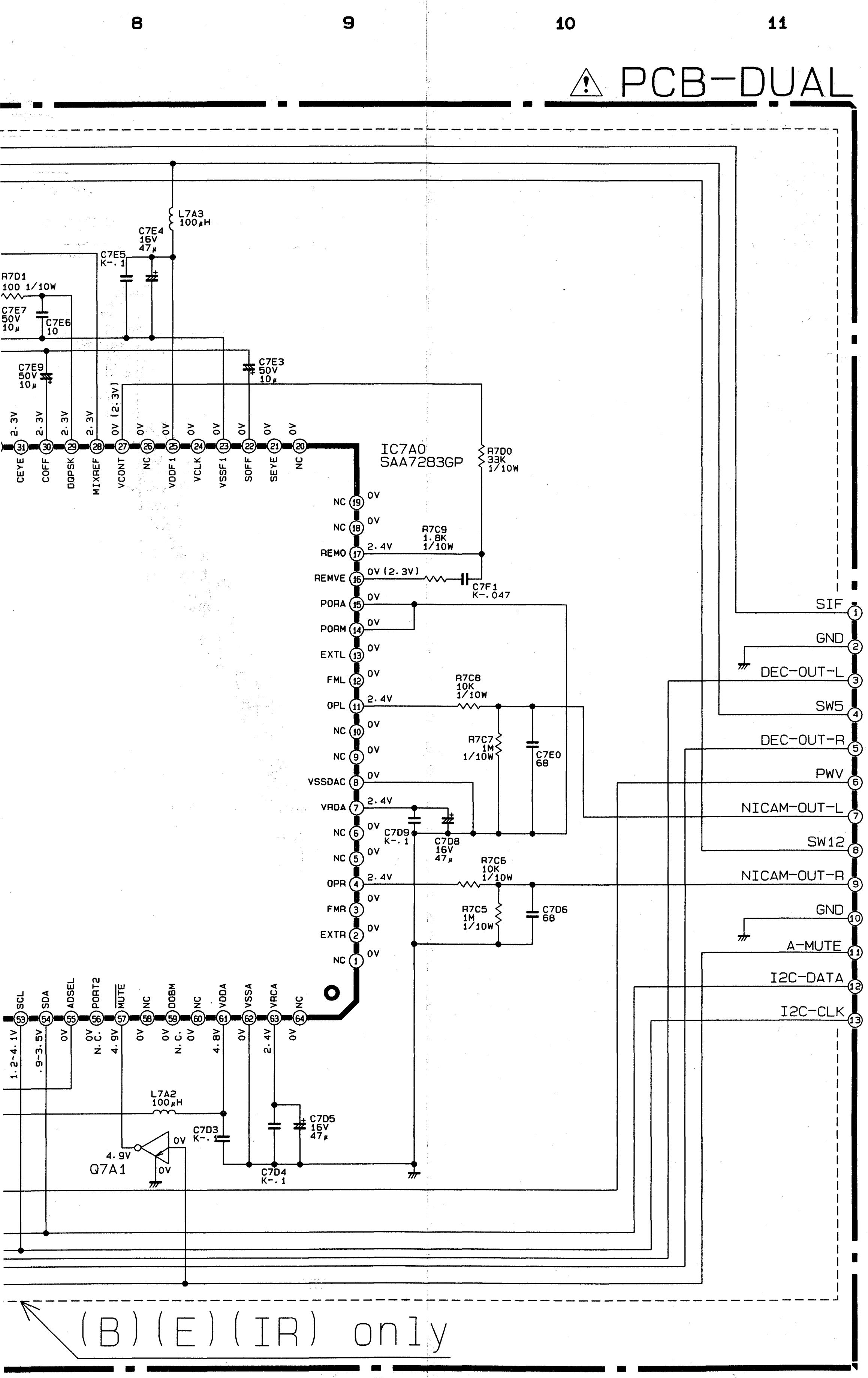
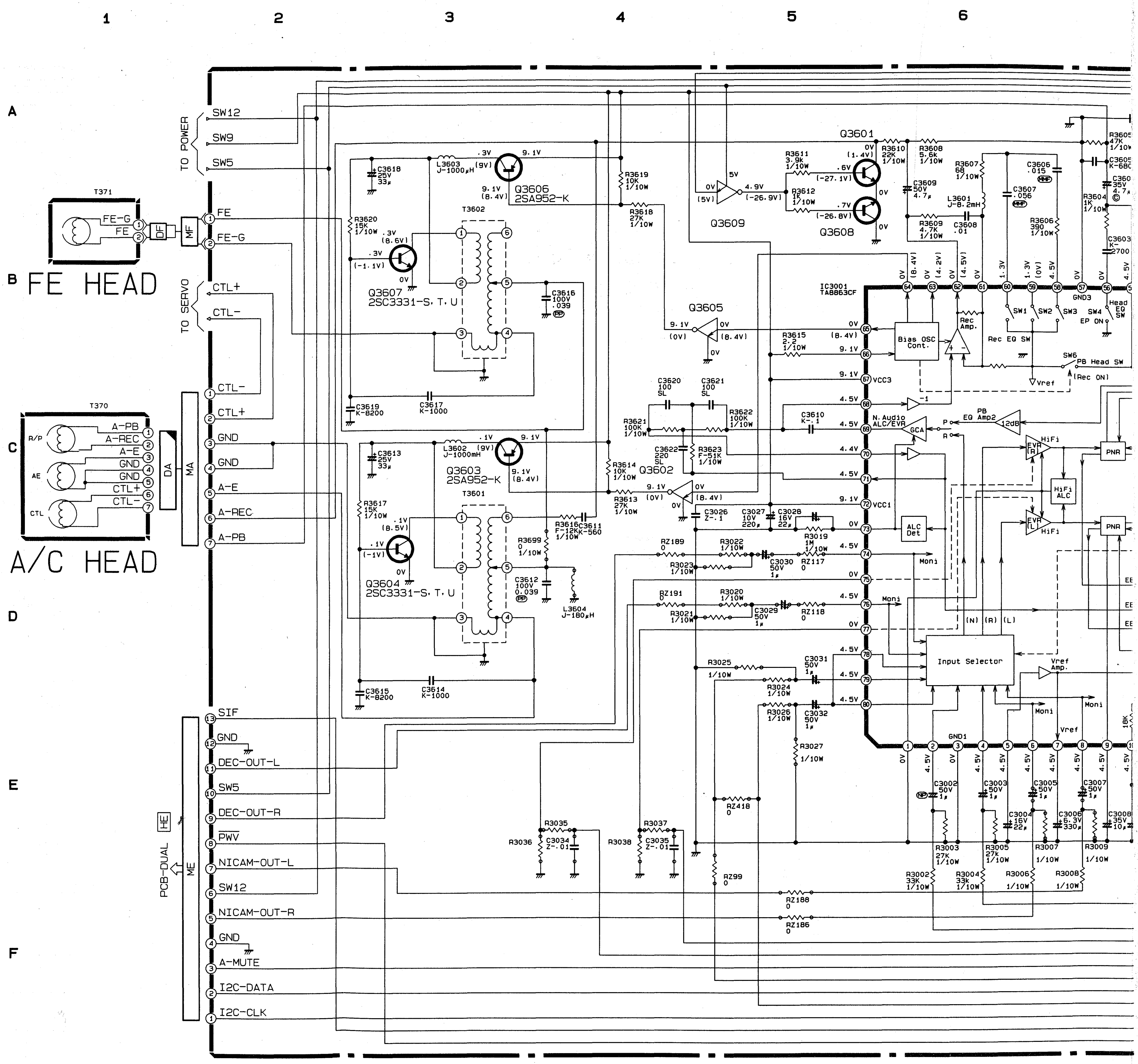
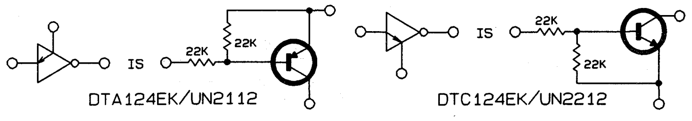
22K
DTA124EK
/UN2112


8
9
10
11
⚠ PCB-DUAL
IC7A0
SAA7283GP
L7A3 100μH
C7E4 16V 47μ
C7E5 K-.1
R7D1 100 1/10W
C7E7 50V 10μ
C7E6 10
C7E9 50V 10μ
C7E3 50V 10μ
R7D0 33K 1/10W
R7C9 1.8K 1/10W
C7F1 K-.047
R7C8 10K 1/10W
R7C7 1M 1/10W
C7E0 68
C7D9 K-.1
C7D8 16V 47μ
R7C6 10K 1/10W
R7C5 1M 1/10W
C7D6 68
L7A2 100μH
C7D3 K-.1
C7D5 16V 47μ
C7D4 K-.1
Q7A1
CEYE
COFF
DQPSK
MIXREF
VCONT
NC
VDDF1
VCLK
VSSF1
SOFF
SEYE
REMO
REMVE
PORA
PORM
EXTL
FML
OPL
VSSDAC
VRDA
OPR
FMR
EXTR
SCL
SDA
ADSEL
PORT2
MUTE
DDBM
VDDA
VSSA
VRCA
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
A-MUTE
I2C-DATA
I2C-CLK
HE
ME
PCB-MAIN (HIFI)
(B)(E)(IR) only

IC-BLOCK DIAGRAM on next page.


1
2
3
4
5
6
A
B
C
D
E
F
G
TO POWER
SW12
SW9
SW5
T371
FE HEAD
FE-G
FE
DF
MF
TO SERVO
CTL+
CTL-
T370
A/C HEAD
A-PB
A-REC
A-E
GND
R/P
AE
CTL
DA
MA
A-PB
A-REC
Q3606
2SA952-K
L3603 J-1000μH
C3618 25V 33μ
R3620 15K 1/10W
Q3607
2SC3331-S.T.U
T3602
C3616 100V .039
C3619 K-8200
C3617 K-1000
Q3603
2SA952-K
L3602 J-1000mH
C3613 25V 33μ
R3617 15K 1/10W
T3601
Q3604
2SC3331-S.T.U
C3612 100V 0.039
L3604 J-180μH
C3615 K-8200
C3614 K-1000
R3699 0 1/10W
R3610 F-12K
C3611 K-560
R3619 10K 1/10W
R3618 27K 1/10W
R3614 10K 1/10W
R3613 27K 1/10W
Q3605
Q3602
Q3609
Q3601
Q3608
R3611 3.9k 1/10W
R3612 1K 1/10W
R3610 22K 1/10W
R3608 5.6k 1/10W
R3607 68 1/10W
C3609 50V 4.7μ
L3601 J-8.2mH
R3609 4.7K 1/10W
C3608 .01
C3606 .015
C3607 .056
R3606 390 1/10W
R3605 47K 1/10W
R3604 1K 1/10W
C3603 K-2700
IC3001
TA8863CF
Bias OSC Cont.
Rec Amp.
Rec EQ SW
SW1
SW2
SW3
SW4
EP ON
Head EQ SW
SW6
PB Head SW
(Rec ON)
Vref
R3615 2.2 1/10W
C3620 100 SL
C3621 100 SL
R3621 100K 1/10W
R3622 100K 1/10W
C3622 220 SL
R3623 F-51K 1/10W
C3610 K-.1
N.Audio ALC/EVR
GCA
PB EQ Amp2
12dB
HiFi
EVR
HiFi ALC
PNR
ALC Det
C3026 Z-.1
C3027 10V 220μ
C3028 16V 22μ
R3019 1M 1/10W
RZ189 0
R3022 1/10W
R3023 1/10W
C3030 50V 1μ
RZ117 0
RZ191 0
R3020 1/10W
R3021 1/10W
C3029 50V 1μ
RZ118 0
Moni
Input Selector
Vref Amp.
R3025 1/10W
R3024 1/10W
C3031 50V 1μ
R3026 1/10W
C3032 50V 1μ
R3027 1/10W
GND1
GND3
VCC1
VCC3
RZ418 0
RZ99 0
R3035
C3034 Z-.01
R3036
R3037
C3035 Z-.01
R3038
C3002 50V 1μ
C3003 50V 1μ
C3004 16V 22μ
C3005 50V 1μ
C3006 6.3V 330μ
C3007 50V 1μ
C3008 35V 10μ
R3003 27K 1/10W
R3005 27K 1/10W
R3007 1/10W
R3009 1/10W
R3002 33K 1/10W
R3004 33k 1/10W
R3006 1/10W
R3008 1/10W
RZ188 0
RZ186 0
PCB-DUAL
HE
ME
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
A-MUTE
I2C-DATA
I2C-CLK

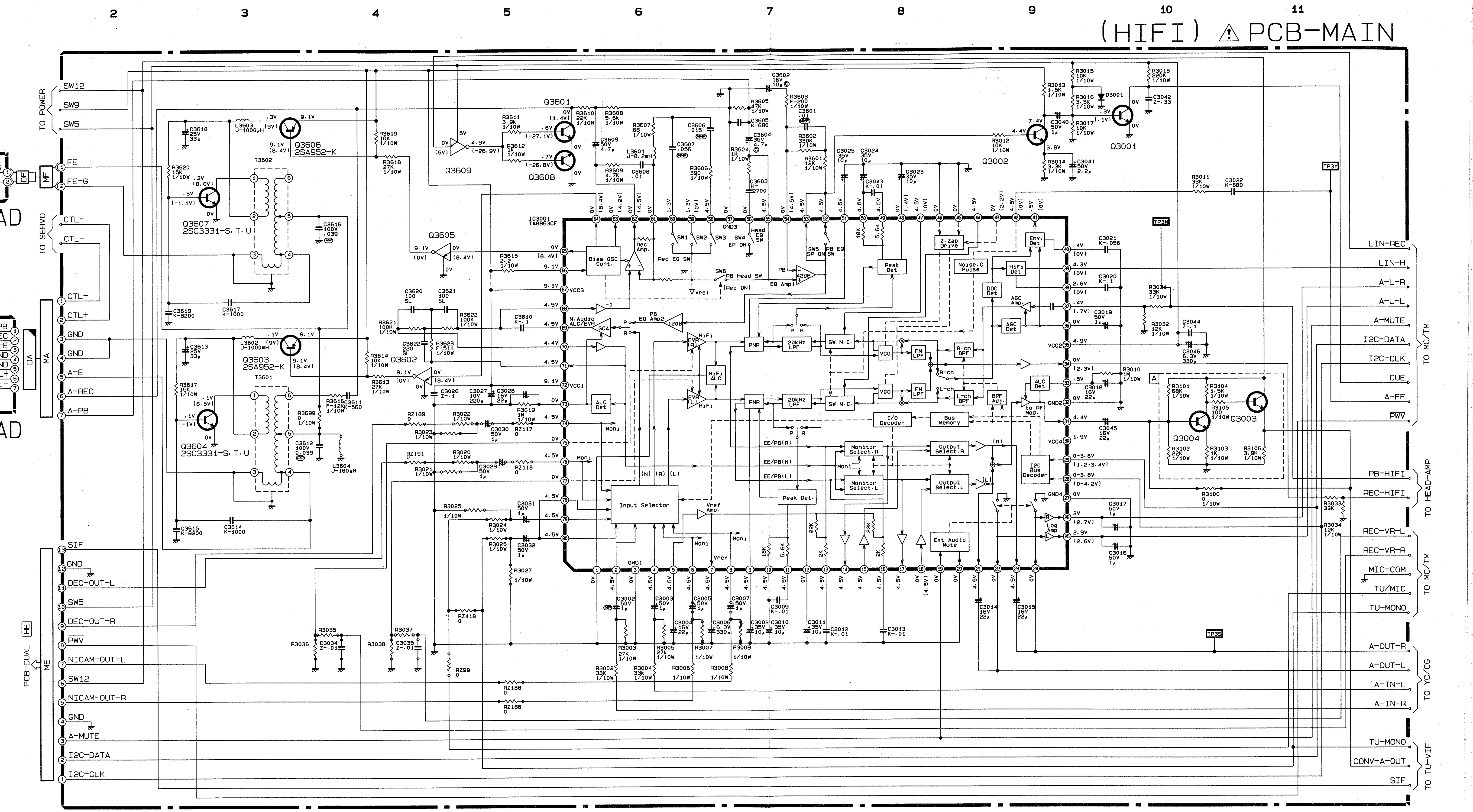
All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E.F unless otherwise sprcified.
All PNP transistors are 2SA1235-E.F unless otherwise specified.


IS
22K
22K
DTA124EK/UN2112
IS
22K
22K
DTC124EK/UN2212

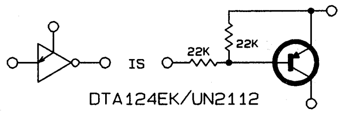
○:Employed ×:Not employed

SYMBOL	A	R3006	R3007	R3008	R3009	C3005
ADDRESS	D-11	E-7	E-7	E-7	E-7	E-7
HS-761V(GY)	×	×	×	×	×	×
HS-761V(B)	×	1.8K	27K	1.8K	27K	○
HS-761V(E)	×	5.6K	27K	5.6K	27K	○
HS-761V(IR)	×	1.8K	27K	1.8K	27K	○

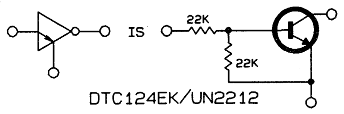
(HIFI) ⚠ PCB-MAIN


2
3
4
5
6
7
8
9
10
11
TO POWER
SW12
SW9
SW5
FE
FE-G
TO SERVO
CTL+
CTL-
GND
A-E
A-REC
A-PB
PCB-DUAL
HE
ME
SIF
DEC-OUT-L
DEC-OUT-R
PWV
NICAM-OUT-L
NICAM-OUT-R
A-MUTE
I2C-DATA
I2C-CLK
Q3601
Q3602
Q3603 2SA952-K
Q3604 2SC3331-S.T.U
Q3605
Q3606 2SA952-K
Q3607 2SC3331-S.T.U
Q3608
Q3609
Q3001
Q3002
Q3003
Q3004
T3601
T3602
IC3001 TA8863CF
Bias OSC Cont.
Rec Amp.
Rec EQ SW
PB Head SW
EQ Amp1
EQ Amp2
N.Audio ALC/EVR
GCA
ALC Det
Input Selector
Vref Amp.
HiFi ALC
EVR (R)
EVR (L)
PNR
20kHz LPF
SW.N.C.
VCO
FM LPF
R-ch BPF
L-ch BPF
BPF Adj.
Peak Det
Peak Det.
Z.Zap Drive
Noise.C Pulse
HiFi Det
DOC Det
AGC Amp.
AGC Det
Env. Det
ALC Det
to RF Mod.
I/O Decoder
Bus Memory
Monitor Select.R
Monitor Select.L
Output Select.R
Output Select.L
I2C Bus Decoder
Log Amp
Ext Audio Mute
TP3Y
TP3N
TP3S
LIN-REC
LIN-H
A-L-R
A-L-L
A-MUTE
I2C-DATA
I2C-CLK
CUE
A-FF
PWV
TO MC/TM
PB-HIFI
REC-HIFI
TO HEAD-AMP
REC-VR-L
REC-VR-R
MIC-COM
TU/MIC
TU-MONO
TO MC/TM
A-OUT-R
A-OUT-L
A-IN-L
A-IN-R
TO YC/CG
TU-MONO
CONV-A-OUT
SIF
TO TU-VIF

1SS252/1SS1310M unless otherwise specified.
stors are 2SC3052-E.F unless otherwise sprcified.
stors are 2SA1235-E.F unless otherwise specified.



DTA124EK/UN2112

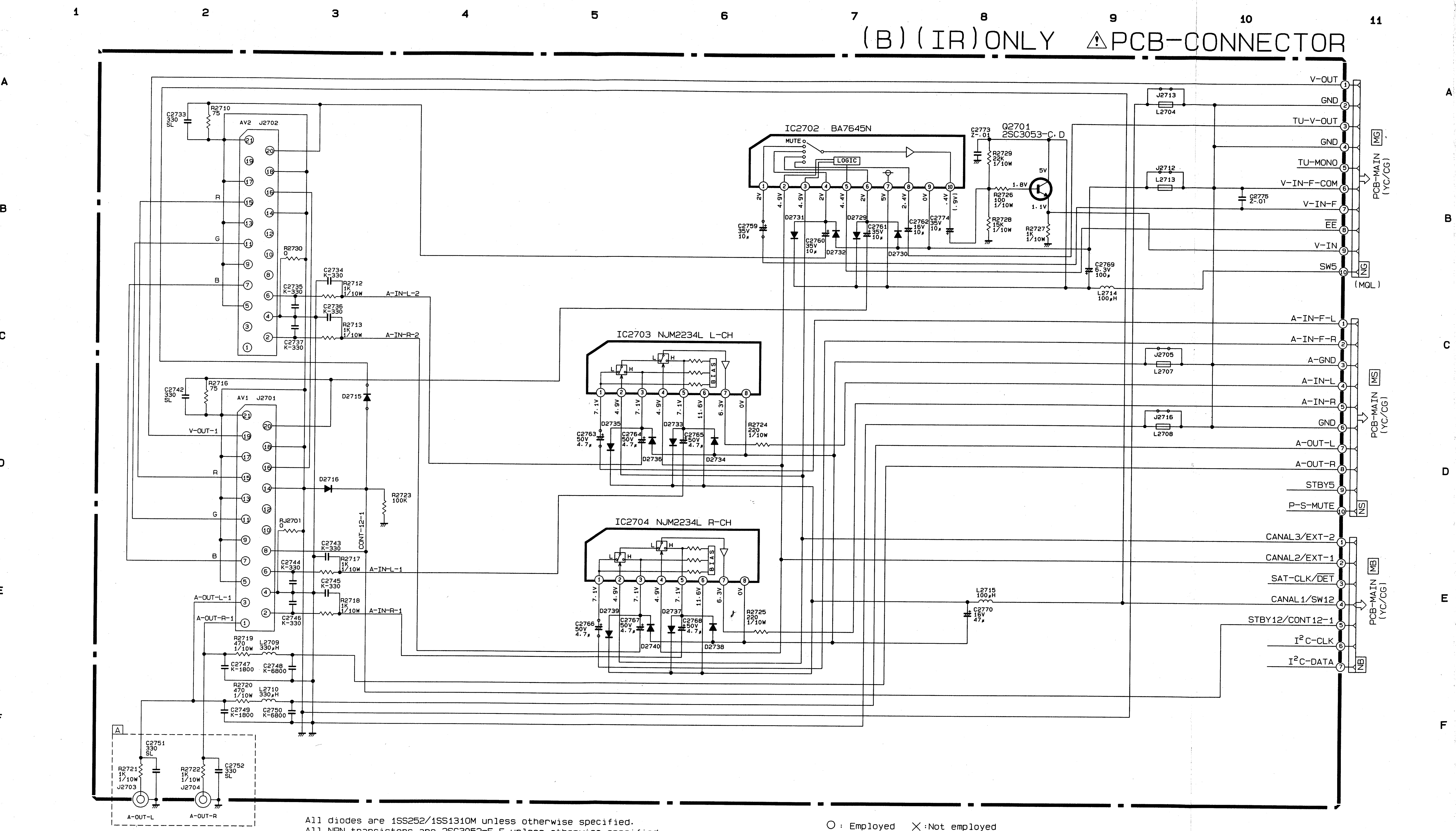


DTC124EK/UN2212

○:Employed ✕:Not employed

SYMBOL	A	R3006	R3007	R3008	R3009	C3005	C3007	R3020	R3021	R3022	R3023	C3029	C3030	L3604	R3035	R3036	R3037	R3038	C3034	C3035	RZ186	RZ188	RZ189	RZ191	RZ117	RZ118	RZ99	RZ418	R3024	R3025	R3026	R3027	R3699
ADDRESS	D-11	E-7	E-7	E-7	E-7	E-7	E-7	C-5	D-5	D-5	D-5	C-6	D-6	C-4	E-4	E-4	E-5	E-5	E-4	E-5	F-6	F-6	D-5	D-5	D-6	D-6	E-5	E-5	D-5	D-5	D-5	E-6	D-3
HS-761V(GY)	✕	✕	✕	✕	✕	✕	✕	47K	27K	47K	27K	○	○	○	F-1.5K	F-36K	F-1.5K	F-36K	○	○	✕	✕	○	○	○	○	○	✕	0	✕	47K	47K	✕
HS-761V(B)	✕	1.8K	27K	1.8K	27K	○	○	✕	✕	✕	✕	✕	✕	○	F-1.5K	F-36K	F-1.5K	F-36K	○	○	○	○	✕	✕	✕	✕	○	✕	0	✕	47K	39K	✕
HS-761V(E)	✕	5.6K	27K	5.6K	27K	○	○	47K	27K	47K	27K	○	○	○	✕	0	✕	0	✕	✕	○	○	○	○	○	○	○	✕	0	✕	47K	47K	✕
HS-761V(IR)	✕	1.8K	27K	1.8K	27K	○	○	✕	✕	✕	✕	✕	✕	○	✕	0	✕	0	✕	✕	○	○	✕	✕	✕	✕	○	✕	0	✕	47K	39K	✕

(B)(IR)ONLY ⚠PCB-CONNECTOR



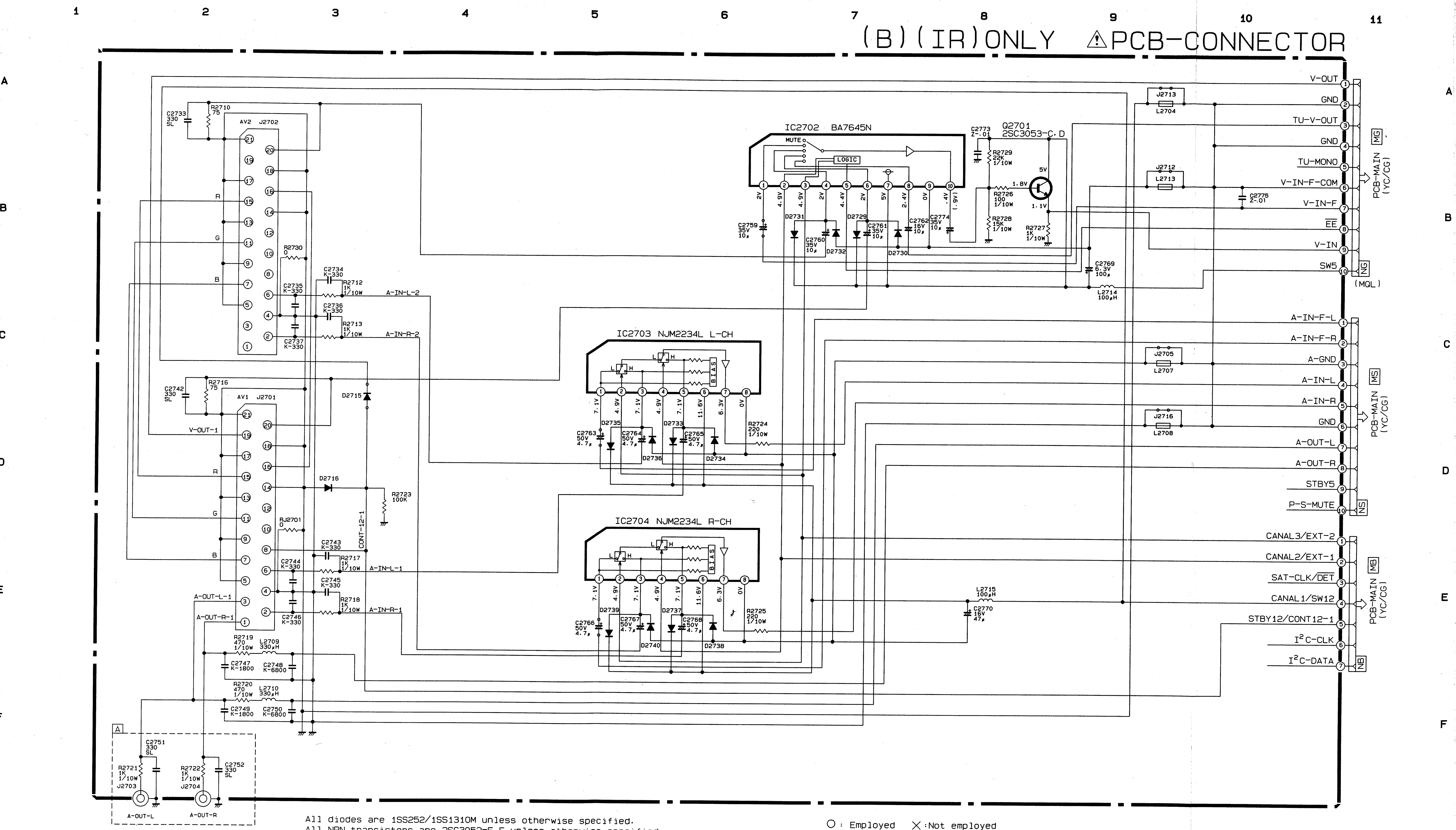
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
IC2702 BA7645N
MUTE
LOGIC
Q2701 2SC3053-C, D
IC2703 NJM2234L L-CH
IC2704 NJM2234L R-CH
BIAS
AV2 J2702
AV1 J2701
V-OUT-1
A-OUT-L-1
A-OUT-R-1
A-IN-L-2
A-IN-R-2
A-IN-L-1
A-IN-R-1
CONT-12-1
D2715
D2716
R2723 100K
RJ2701 0
R2710 75
R2716 75
C2733 330 SL
C2742 330 SL
R2719 470 1/10W
L2709 330μH
R2720 470 1/10W
L2710 330μH
C2747 K-1800
C2748 K-6800
C2749 K-1800
C2750 K-6800
C2751 330 SL
C2752 330 SL
R2721 1K 1/10W
R2722 1K 1/10W
J2703
J2704
A-OUT-L
A-OUT-R
C2759 35V 10μ
C2773 Z-.01
R2729 22K 1/10W
R2726 100 1/10W
R2728 15K 1/10W
R2727 1K 1/10W
C2769 6.3V 100μ
L2714 100μH
C2775 Z-.01
J2713
L2704
J2712
L2713
J2705
L2707
J2716
L2708
L2715 100μH
C2770 16V 47μ
R2724 220 1/10W
R2725 220 1/10W
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW5
MG
NG
(MQL)
PCB-MAIN (YC/CG)
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
MS
NS
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
STBY12/CONT12-1
I²C-CLK
I²C-DATA
MB
NB

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E,F unless otherwise sprcified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

○ : Employed ✕ :Not employed

SYMBOL	C2759	C2763	C2766	L2704	L2713	L2707	L2708	D2715	A
ADDRESS	B-6	D-5	E-5	A-9	B-9	C-9	D-9	C-3	F-1
HS-761V(B)/V(IR)	○	○	○	✕	✕	○	✕	✕	○

(B)(IR)ONLY ⚠PCB-CONNECTOR


1
2
3
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6
7
8
9
10
11
A
B
C
D
E
F
G
AV2 J2702
AV1 J2701
C2733 330 SL
R2710 75
C2742 330 SL
R2716 75
R2730 0
RJ2701 0
C2734 K-330
C2735 K-330
C2736 K-330
C2737 K-330
R2712 1K 1/10W
R2713 1K 1/10W
A-IN-L-2
A-IN-R-2
C2743 K-330
C2744 K-330
C2745 K-330
C2746 K-330
R2717 1K 1/10W
R2718 1K 1/10W
A-IN-L-1
A-IN-R-1
V-OUT-1
A-OUT-L-1
A-OUT-R-1
D2715
D2716
R2723 100K
CONT-12-1
R2719 470 1/10W
L2709 330μH
C2747 K-1800
C2748 K-6800
R2720 470 1/10W
L2710 330μH
C2749 K-1800
C2750 K-6800
C2751 330 SL
R2721 1K 1/10W
J2703
A-OUT-L
C2752 330 SL
R2722 1K 1/10W
J2704
A-OUT-R
IC2702 BA7645N
MUTE
LOGIC
C2773 Z-.01
Q2701 2SC3053-C,D
R2729 22K 1/10W
R2726 100 1/10W
R2728 15K 1/10W
R2727 1K 1/10W
1.8V
5V
1.1V
C2759 35V 10μ
C2760 35V 10μ
C2761 35V 10μ
C2762 16V 10μ
C2774 35V 10μ
D2729
D2730
D2731
D2732
C2769 6.3V 100μ
L2714 100μH
C2775 Z-.01
IC2703 NJM2234L L-CH
IC2704 NJM2234L R-CH
BIAS
C2763 50V 4.7μ
C2764 50V 4.7μ
C2765 50V 4.7μ
D2733
D2734
D2735
D2736
R2724 220 1/10W
C2766 50V 4.7μ
C2767 50V 4.7μ
C2768 50V 4.7μ
D2737
D2738
D2739
D2740
R2725 220 1/10W
L2715 100μH
C2770 16V 47μ
J2713
L2704
J2712
L2713
J2705
L2707
J2716
L2708
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW5
MG
NG
(MQL)
PCB-MAIN (YC/CG)
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
MS
NS
PCB-MAIN (YC/CG)
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
STBY12/CONT12-1
I²C-CLK
I²C-DATA
MB
NB
PCB-MAIN (YC/CG)

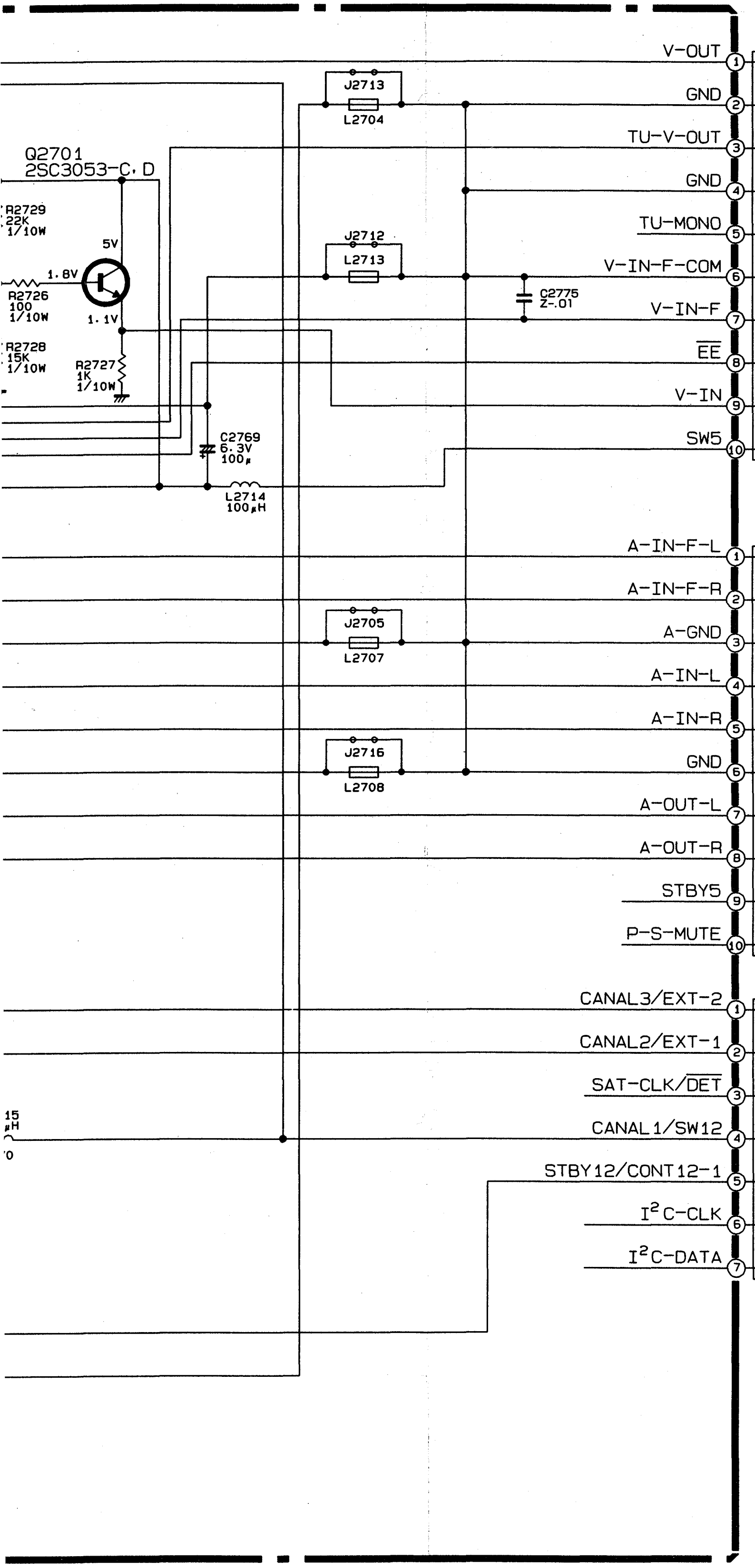
All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E,F unless otherwise sprcified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

○ : Employed × :Not employed

SYMBOL	C2759	C2763	C2766	L2704	L2713	L2707	L2708	D2715	A
ADDRESS	B-6	D-5	E-5	A-9	B-9	C-9	D-9	C-3	F-1
HS-761V(B)/V(IR)	○	○	○	×	×	○	×	×	○

9 10 11

ONLY ⚠PCB-CONNECTOR



Q2701
2SC3053-C,D
R2729 22K 1/10W
5V
1.8V
R2726 100 1/10W
1.1V
R2728 15K 1/10W
R2727 1K 1/10W
J2713
L2704
J2712
L2713
C2775 Z-.01
C2769 6.3V 100μ
L2714 100μH
J2705
L2707
J2716
L2708
15 μH
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW5
MG
NG
PCB-MAIN (YC/CG)
(MQL)
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
MS
NS
PCB-MAIN (YC/CG)
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
STBY12/CONT12-1
I²C-CLK
I²C-DATA
MB
NB
PCB-MAIN (YC/CG)

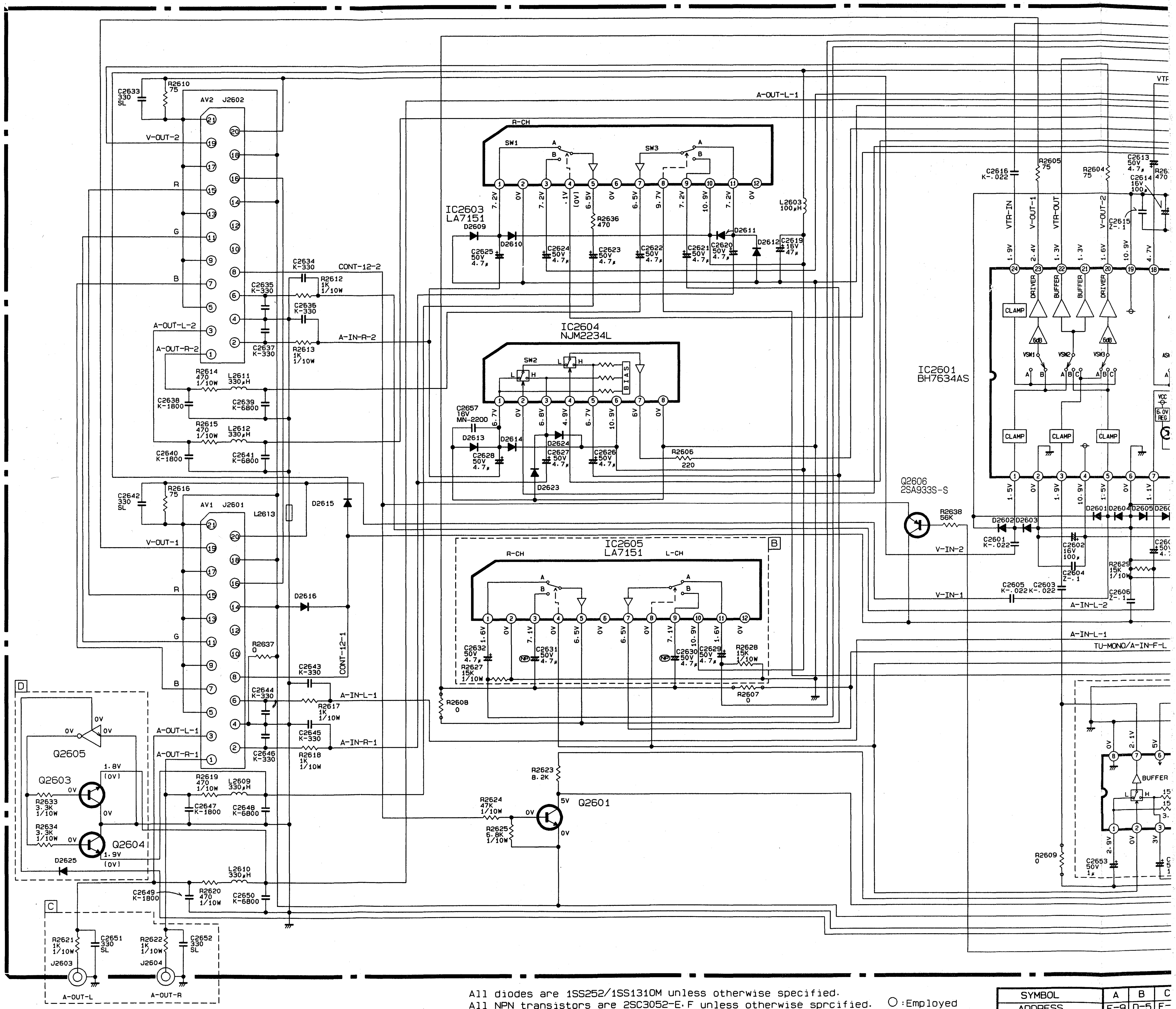
ed

59	C2763	C2766	L2704	L2713	L2707	L2708	D2715	A
5	D-5	E-5	A-9	B-9	C-9	D-9	C-3	F-1
	○	○	×	×	○	×	×	○

1 2 3 4 5 6 7 8

A B C D E F G

(E)((

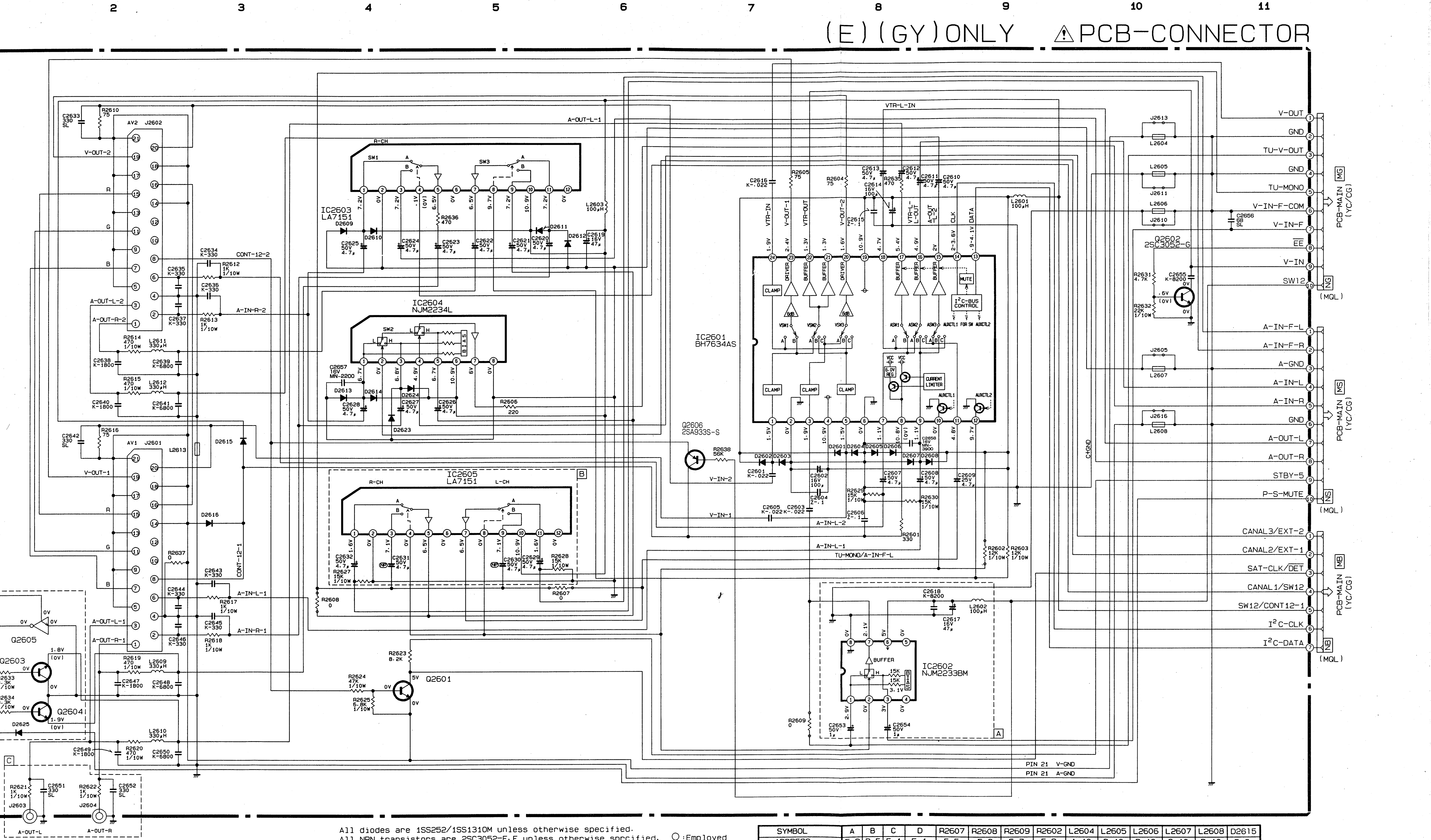


AV2 J2602
C2633 330 SL
R2610 75
V-OUT-2
A-OUT-L-1
A-OUT-L-2
A-OUT-R-2
A-IN-R-2
CONT-12-2
C2634 K-330
R2612 1K 1/10W
C2635 K-330
C2636 K-330
C2637 K-330
R2613 1K 1/10W
R2614 470 1/10W
L2611 330μH
C2638 K-1800
C2639 K-6800
R2615 470 1/10W
L2612 330μH
C2640 K-1800
C2641 K-6800
IC2603 LA7151
R-CH
SW1
SW3
D2609
D2610
D2611
D2612
R2636 470
C2619 16V 47μ
L2603 100μH
IC2604 NJM2234L
SW2
BIAS
C2657 16V MN-2200
D2613
D2614
D2623
D2624
R2606 220
AV1 J2601
C2642 330 SL
R2616 75
V-OUT-1
L2613
D2615
D2616
R2637 0
CONT-12-1
C2643 K-330
C2644 K-330
R2617 1K 1/10W
A-IN-L-1
C2645 K-330
C2646 K-330
R2618 1K 1/10W
A-IN-R-1
A-OUT-L-1
A-OUT-R-1
IC2605 LA7151
L-CH
R2607 0
R2608 0
R2619 470 1/10W
L2609 330μH
C2647 K-1800
C2648 K-6800
R2620 470 1/10W
L2610 330μH
C2649 K-1800
C2650 K-6800
D
Q2605
Q2603
R2633 3.3K 1/10W
R2634 3.3K 1/10W
Q2604
D2625
C
R2621 1K 1/10W
C2651 330 SL
J2603
A-OUT-L
R2622 1K 1/10W
C2652 330 SL
J2604
A-OUT-R
Q2601
R2623 8.2K
R2624 47K 1/10W
R2625 6.8K 1/10W
IC2601 BH7634AS
Q2606 2SA933S-S
R2638 56K
V-IN-2
V-IN-1
VTR-IN
V-OUT-1
VTR-OUT
V-OUT-2
DRIVER
BUFFER
CLAMP
A-IN-L-2
A-IN-L-1
TU-MONO/A-IN-F-L
R2609 0
C2653 50V 1μ
BUFFER

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E,F unless otherwise sprcified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

○:Employed
×:Not employed

SYMBOL	A	B	C
ADDRESS	F-9	D-5	F-
HS-761V(E)/V(GY)	○	○	○


2
3
4
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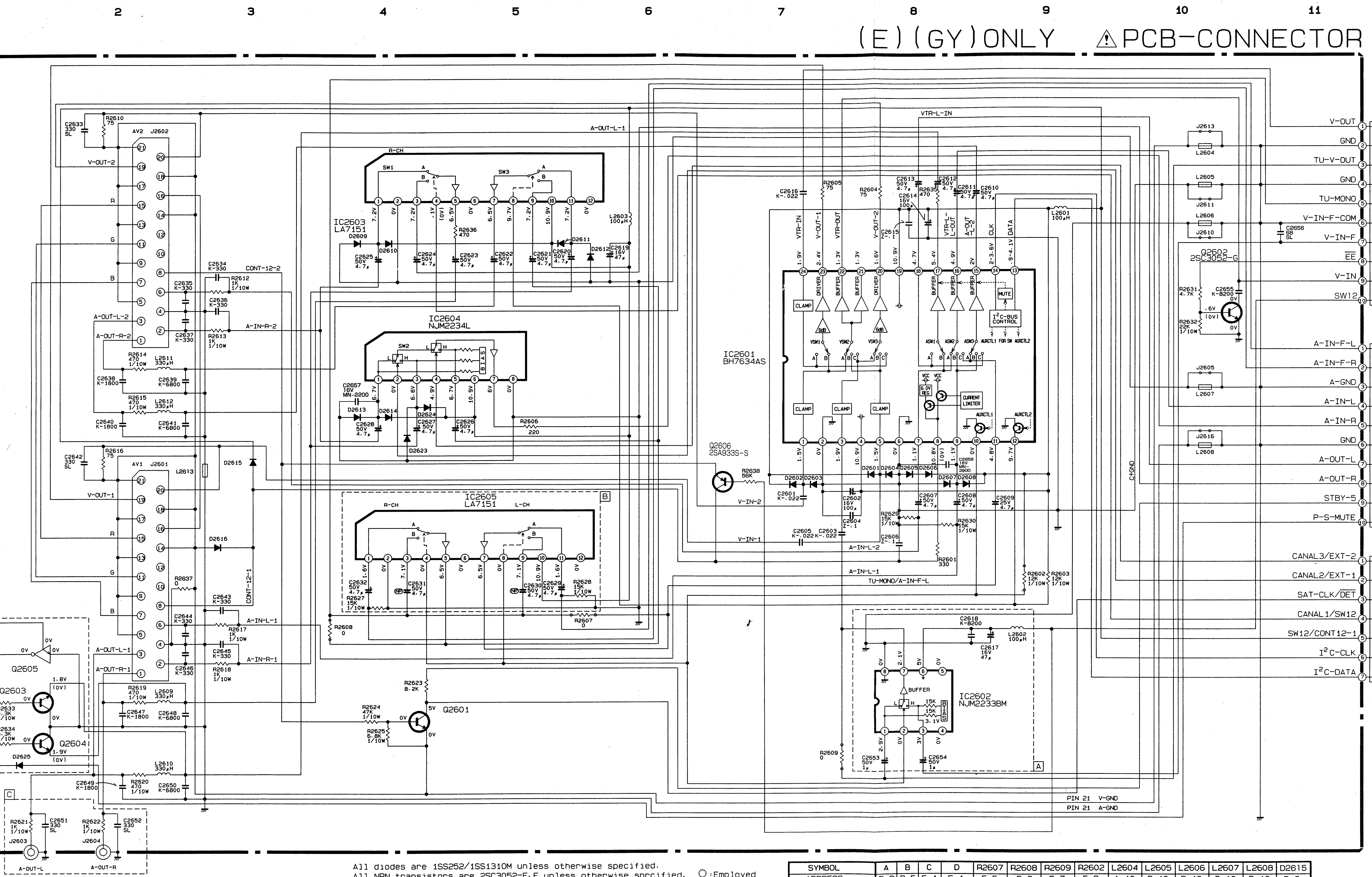
6
7
8
9
10
11
(E)(GY)ONLY
⚠PCB-CONNECTOR
J2602
AV2
J2601
AV1
IC2603
LA7151
IC2604
NJM2234L
IC2605
LA7151
IC2601
BH7634AS
IC2602
NJM2233BM
Q2601
Q2602
2SC3052-G
Q2603
Q2604
Q2605
Q2606
2SA933S-S
V-OUT
GND
TU-V-OUT
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW12
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
A-OUT-L
A-OUT-R
STBY-5
P-S-MUTE
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
SW12/CONT12-1
I²C-CLK
I²C-DATA
PCB-MAIN (YC/CG)
MG
NG
MS
MB
NB
NS
(MQL)
VTR-L-IN
A-OUT-L-1
A-OUT-L-2
A-OUT-R-2
A-OUT-R-1
A-IN-R-2
A-IN-L-1
A-IN-R-1
A-IN-L-2
V-OUT-1
V-OUT-2
V-IN-1
V-IN-2
CONT-12-2
CONT-12-1
TU-MONO/A-IN-F-L
PIN 21 V-GND
PIN 21 A-GND
J2603
J2604
A-OUT-L
A-OUT-R
BUFFER
CLAMP
DRIVER
MUTE
I²C-BUS CONTROL
CURRENT LIMITER

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E.F unless otherwise sprcified.
All PNP transistors are 2SA1235-E.F unless otherwise specified.

○:Employed
×:Not employed

SYMBOL	A	B	C	D	R2607	R2608	R2609	R2602	L2604	L2605	L2606	L2607	L2608	D2615
ADDRESS	F-9	D-5	F-1	E-1	E-5	E-3	F-7	E-9	A-10	B-10	B-10	C-10	D-10	D-3
HS-761V(E)/V(GY)	○	○	○	○	×	×	×	○	×	×	×	×	×	×


2
3
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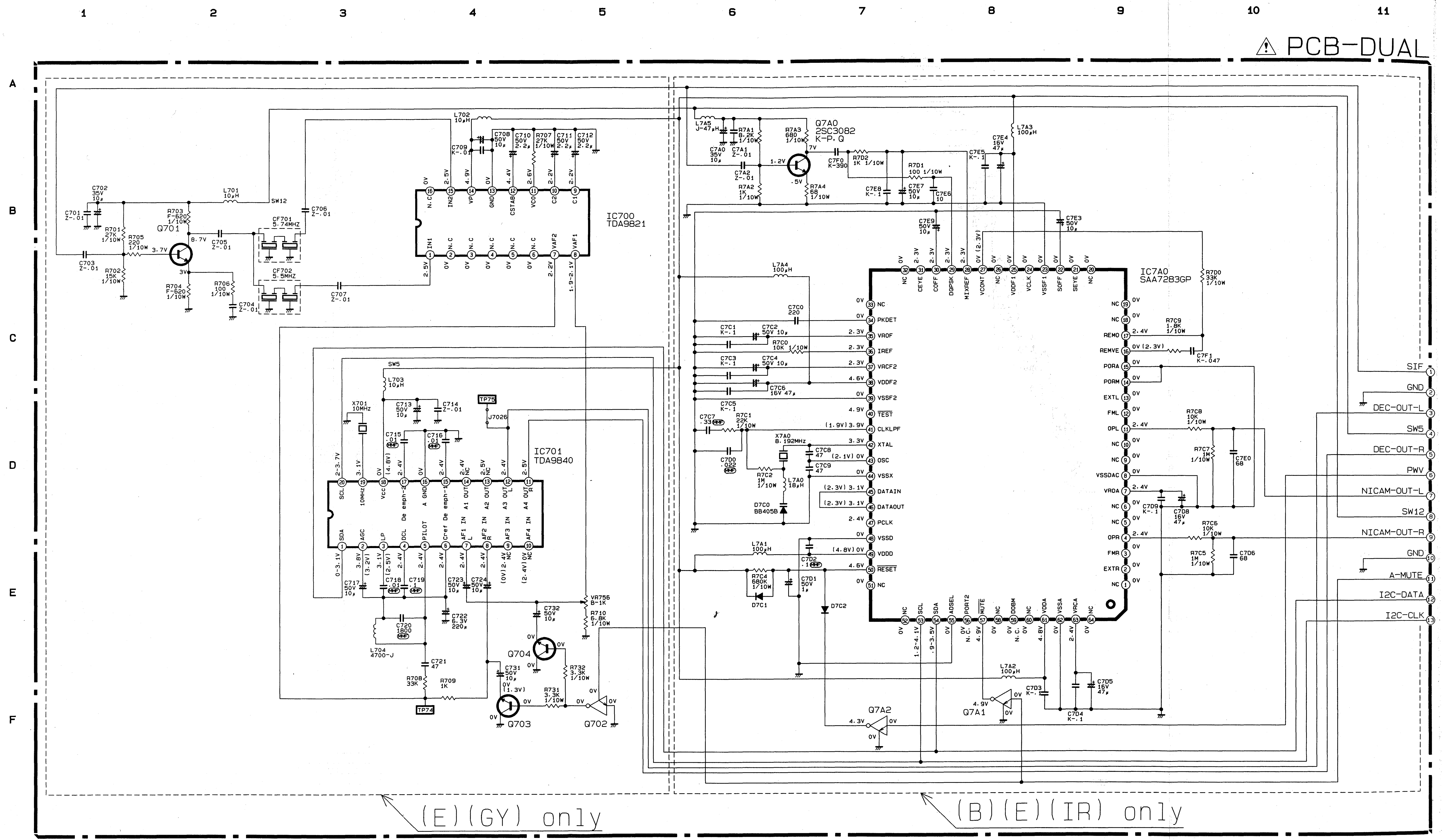
10
11
(E)(GY)ONLY
⚠PCB-CONNECTOR
IC2603 LA7151
IC2604 NJM2234L
IC2605 LA7151
IC2601 BH7634AS
IC2602 NJM2233BM
Q2601
Q2602 2SC3052-G
Q2603
Q2604
Q2605
Q2606 2SA933S-S
AV1 J2601
AV2 J2602
J2603
J2604
A-OUT-L
A-OUT-R
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW12
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY-5
P-S-MUTE
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
SW12/CONT12-1
I²C-CLK
I²C-DATA
PCB-MAIN (YC/CG)
MG
NG
MS
NS
MB
NB
(MQL)
VTR-L-IN
A-OUT-L-1
CONT-12-2
CONT-12-1
A-IN-R-2
A-IN-L-1
A-IN-R-1
V-IN-1
V-IN-2
A-IN-L-2
TU-MONO/A-IN-F-L
PIN 21 V-GND
PIN 21 A-GND
BUFFER
CLAMP
DRIVER
I²C-BUS CONTROL
MUTE
CURRENT LIMITER
AUXCTL1
AUXCTL2
6.0V REG
A
B
C

All diodes are 1SS252/1SS131OM unless otherwise specified.
All NPN transistors are 2SC3052-E.F unless otherwise sprcified.
All PNP transistors are 2SA1235-E.F unless otherwise specified.

○:Employed
×:Not employed

SYMBOL	A	B	C	D	R2607	R2608	R2609	R2602	L2604	L2605	L2606	L2607	L2608	D2615
ADDRESS	F-9	D-5	F-1	E-1	E-5	E-3	F-7	E-9	A-10	B-10	B-10	C-10	D-10	D-3
HS-761V(E)/V(GY)	○	○	○	○	×	×	×	○	×	×	×	×	×	×


⚠ PCB-DUAL
1
2
3
4
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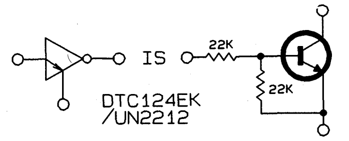
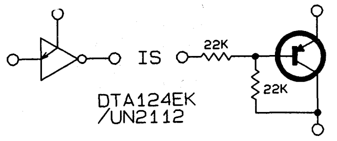
6
7
8
9
10
11
A
B
C
D
E
F
G
IC700
TDA9821
IC701
TDA9840
IC7A0
SAA7283GP
Q701
Q702
Q703
Q704
Q7A0
2SC3082
K-P, Q
Q7A1
Q7A2
CF701
5.74MHZ
CF702
5.5MHZ
X701
10MHZ
X7A0
8.192MHz
D7C0
BB405B
D7C1
D7C2
TP74
TP75
J7026
VR756
B-1K
SW5
SW12
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
(E)(GY) only
(B)(E)(IR) only

IC-BLOCK DIAGRAM on next page.

All diodes are 1SS252
unless otherwise specified.
All NPN transistors are 2SC3053-C, D
unless otherwise specified.
All PNP transistors are 2SA1235-E, F
unless otherwise specified.

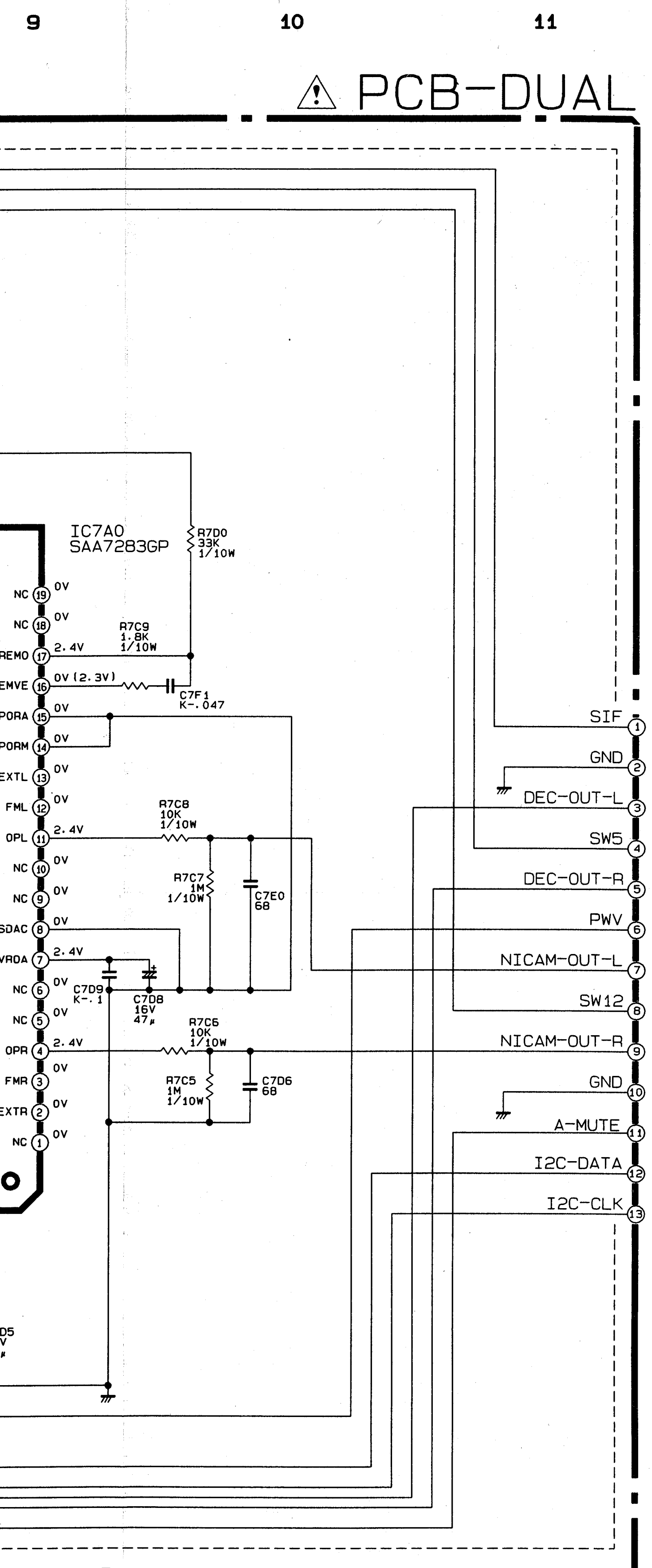


DTC124EK
/UN2212



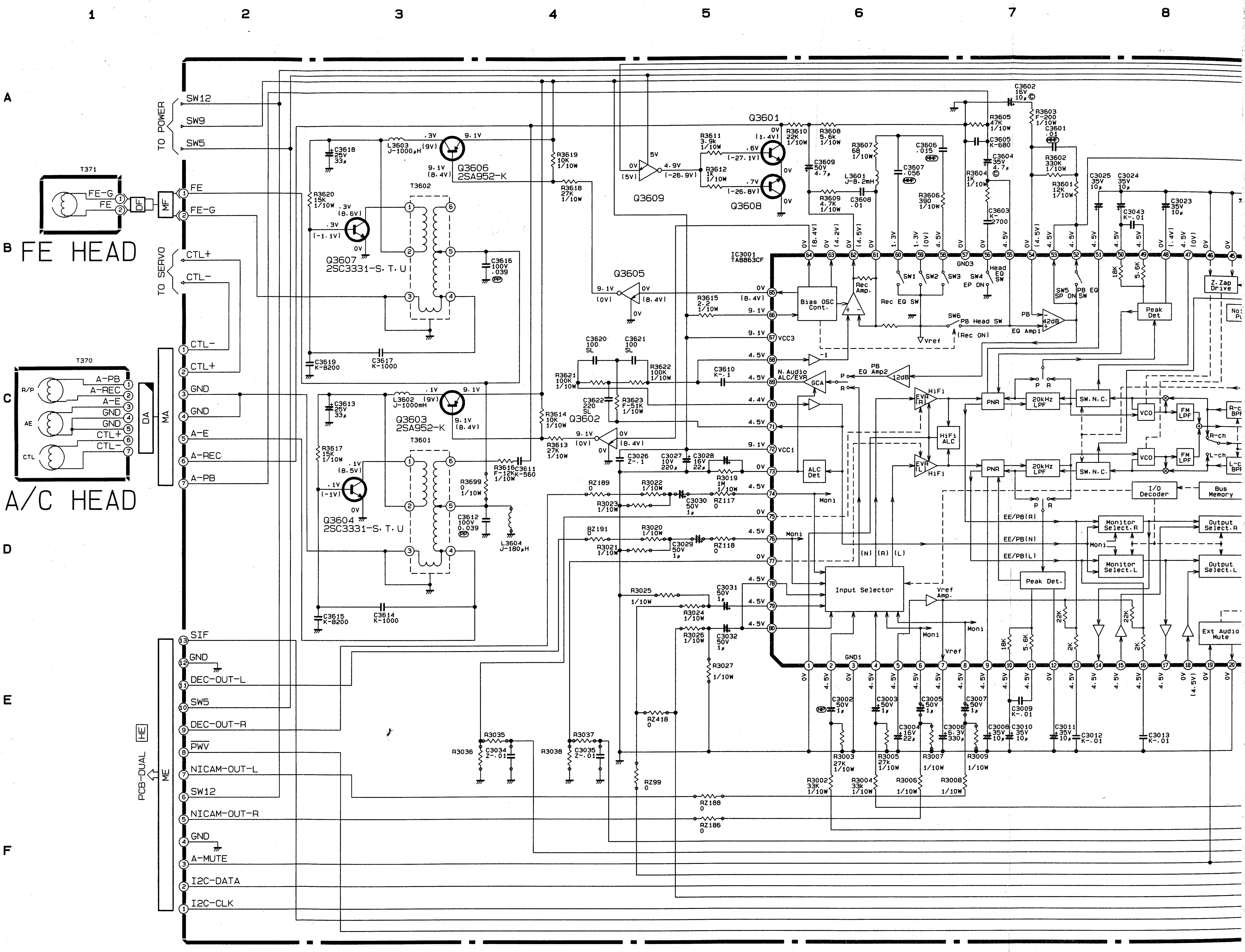
DTA124EK
/UN2112

⚠ PCB-DUAL

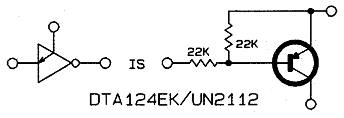

9
10
11
IC7A0
SAA7283GP
R7D0 33K 1/10W
R7C9 1.8K 1/10W
C7F1 K-.047
R7C8 10K 1/10W
R7C7 1M 1/10W
C7E0 68
C7D9 K-.1
C7D8 16V 47μ
R7C6 10K 1/10W
R7C5 1M 1/10W
C7D6 68
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
HE
ME
PCB-MAIN (HIFI)

only

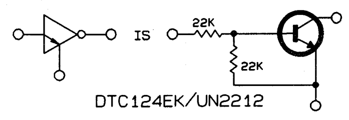
CK DIAGRAM on next page.


1
2
3
4
5
6
7
8
A
B
C
D
E
F
TO POWER
SW12
SW9
SW5
T371
FE-G
FE
DF
MF
FE HEAD
TO SERVO
CTL+
CTL-
T370
A-PB
A-REC
A-E
GND
CTL+
CTL-
R/P
AE
CTL
DA
MA
A/C HEAD
A-REC
A-PB
Q3606 2SA952-K
Q3607 2SC3331-S, T, U
Q3603 2SA952-K
Q3604 2SC3331-S, T, U
Q3602
Q3605
Q3601
Q3608
Q3609
T3602
T3601
L3603 J-1000μH
L3602 J-1000mH
L3604 J-180μH
IC3001 TA8863CF
Bias OSC Cont.
Rec Amp.
Rec EQ SW
PB Head SW
PB EQ Amp2
N.Audio ALC/EVR
GCA
VCC1
VCC3
ALC Det
HiFi ALC
EVR (R)
EVR (L)
PNR
20kHz LPF
SW.N.C.
VCO
FM LPF
Peak Det
Z.Zap Drive
I/O Decoder
Bus Memory
Monitor Select.R
Monitor Select.L
Output Select.R
Output Select.L
Input Selector
Vref Amp.
Peak Det.
Ext Audio Mute
GND1
GND3
EE/PB(R)
EE/PB(N)
EE/PB(L)
Moni
PCB-DUAL
HE
ME
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK

G All diodes are 1SS252/1SS131OM unless otherwise specified.
All NPN transistors are 2SC3052-E, F unless otherwise sprcified.
All PNP transistors are 2SA1235-E, F unless otherwise specified.



DTA124EK/UN2112

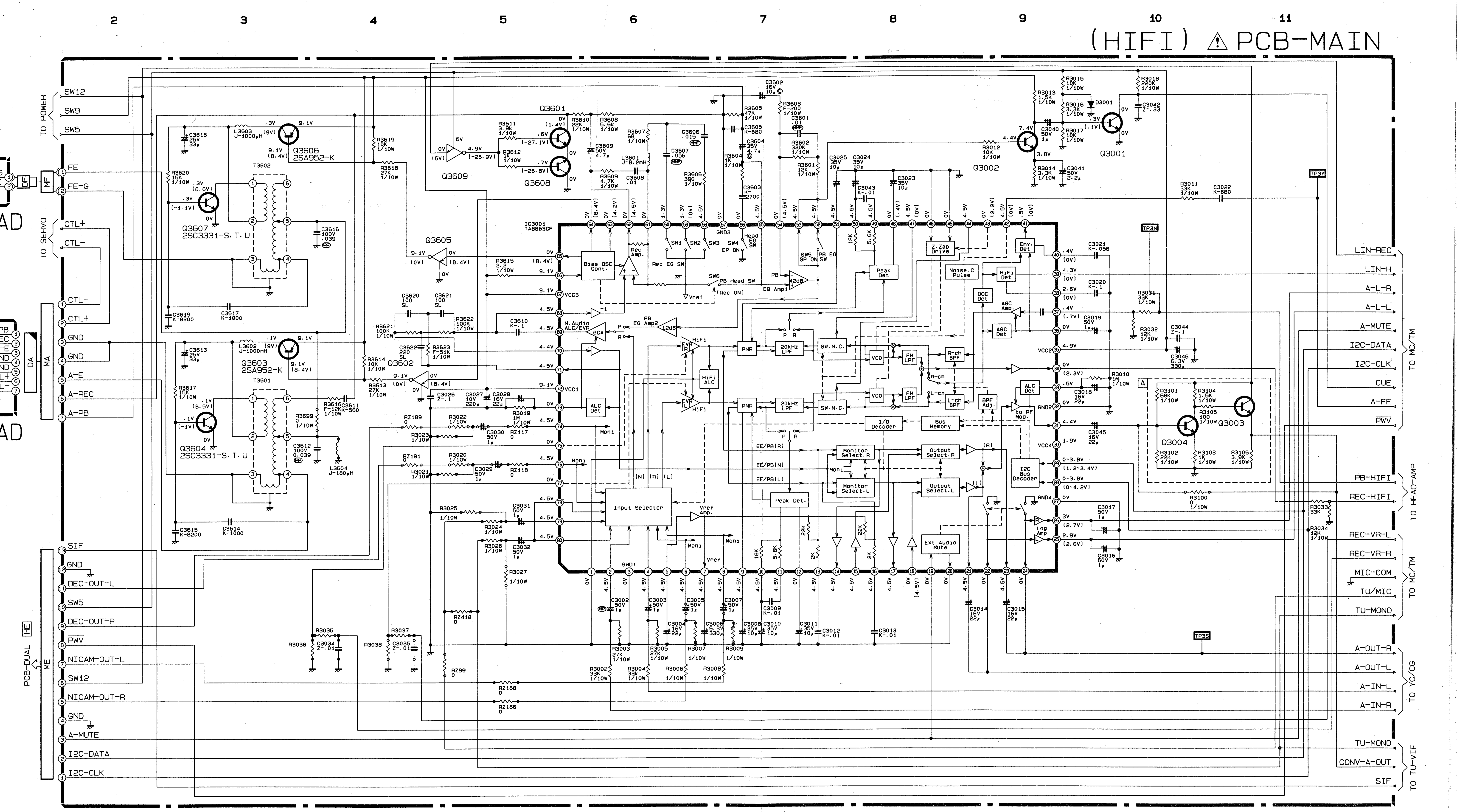


DTC124EK/UN2212

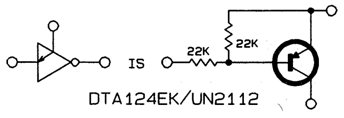
○:Employed ✕:Not employed

SYMBOL	A	R3006	R3007	R3008	R3009	C3005	C3007	R3020	R3021	R3022	R3023	C3029	C3030	L3604
ADDRESS	D-11	E-7	E-7	E-7	E-7	E-7	E-7	C-5	D-5	D-5	D-5	C-6	D-6	C-4
HS-761V(GY)	✕	✕	✕	✕	✕	✕	✕	47K	27K	47K	27K	○	○	○
HS-761V(B)	✕	1.8K	27K	1.8K	27K	○	○	✕	✕	✕	✕	✕	✕	○
HS-761V(E)	✕	5.6K	27K	5.6K	27K	○	○	47K	27K	47K	27K	○	○	○
HS-761V(IR)	✕	1.8K	27K	1.8K	27K	○	○	✕	✕	✕	✕	✕	✕	○

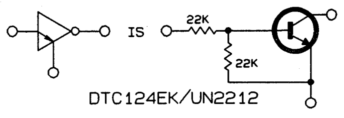
(HIFI) ⚠ PCB-MAIN


2
3
4
5
6
7
8
9
10
11
TO POWER
SW12
SW9
SW5
FE
FE-G
TO SERVO
CTL+
CTL-
GND
A-E
A-REC
A-PB
DA
MA
SIF
DEC-OUT-L
DEC-OUT-R
PWV
NICAM-OUT-L
NICAM-OUT-R
A-MUTE
I2C-DATA
I2C-CLK
PCB-DUAL
HE
ME
Q3601
Q3602
Q3603 2SA952-K
Q3604 2SC3331-S,T,U
Q3605
Q3606 2SA952-K
Q3607 2SC3331-S,T,U
Q3608
Q3609
Q3001
Q3002
Q3003
Q3004
T3601
T3602
IC3001 TA8863CF
Bias OSC Cont.
Rec Amp.
Rec EQ SW
PB EQ Amp1
PB EQ Amp2
N.Audio ALC/EVR
GCA
ALC Det
Input Selector
Vref Amp.
HiFi ALC
EVR (R)
EVR (L)
PNR
20kHz LPF
SW.N.C.
VCO
FM LPF
R-ch BPF
L-ch BPF
BPF Adj.
Peak Det
Peak Det.
Z.Zap Drive
Noise.C Pulse
HiFi Det
DOC Det
AGC Amp
AGC Det
Env. Det
ALC Det
to RF Mod.
I/O Decoder
Bus Memory
I2C Bus Decoder
Monitor Select.R
Monitor Select.L
Output Select.R
Output Select.L
Log Amp
Ext Audio Mute
LIN-REC
LIN-H
A-L-R
A-L-L
A-MUTE
I2C-DATA
I2C-CLK
CUE
A-FF
PWV
TO MC/TM
PB-HIFI
REC-HIFI
TO HEAD-AMP
REC-VR-L
REC-VR-R
MIC-COM
TU/MIC
TU-MONO
A-OUT-R
A-OUT-L
A-IN-L
A-IN-R
TO YC/CG
TU-MONO
CONV-A-OUT
SIF
TO TU-VIF
TP3Y
TP3N
TP3S

1SS252/1SS1310M unless otherwise specified.
stors are 2SC3052-E,F unless otherwise sprcified.
stors are 2SA1235-E,F unless otherwise specified.



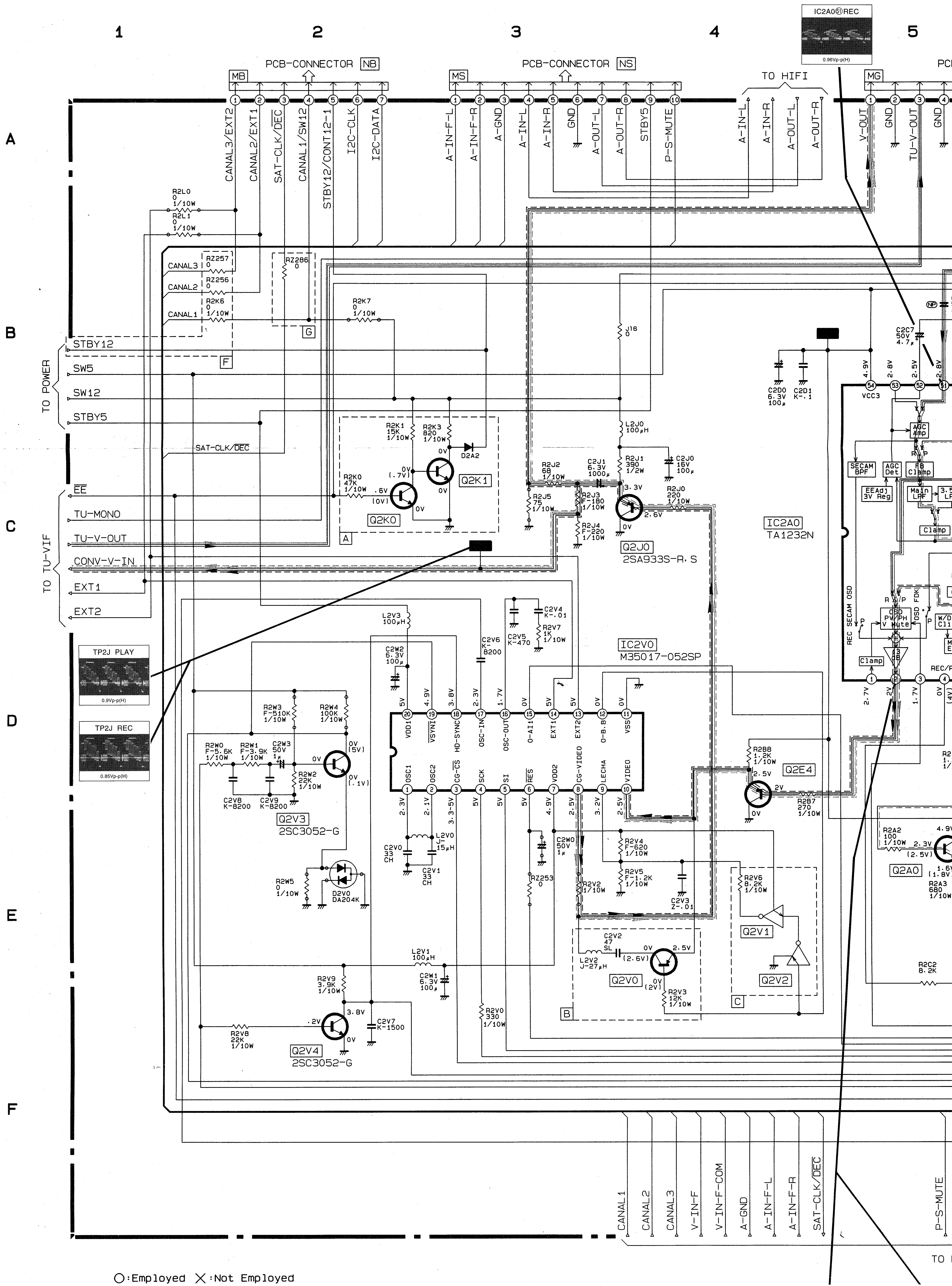
DTA124EK/UN2112

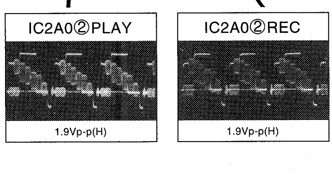


DTC124EK/UN2212

○:Employed ×:Not employed

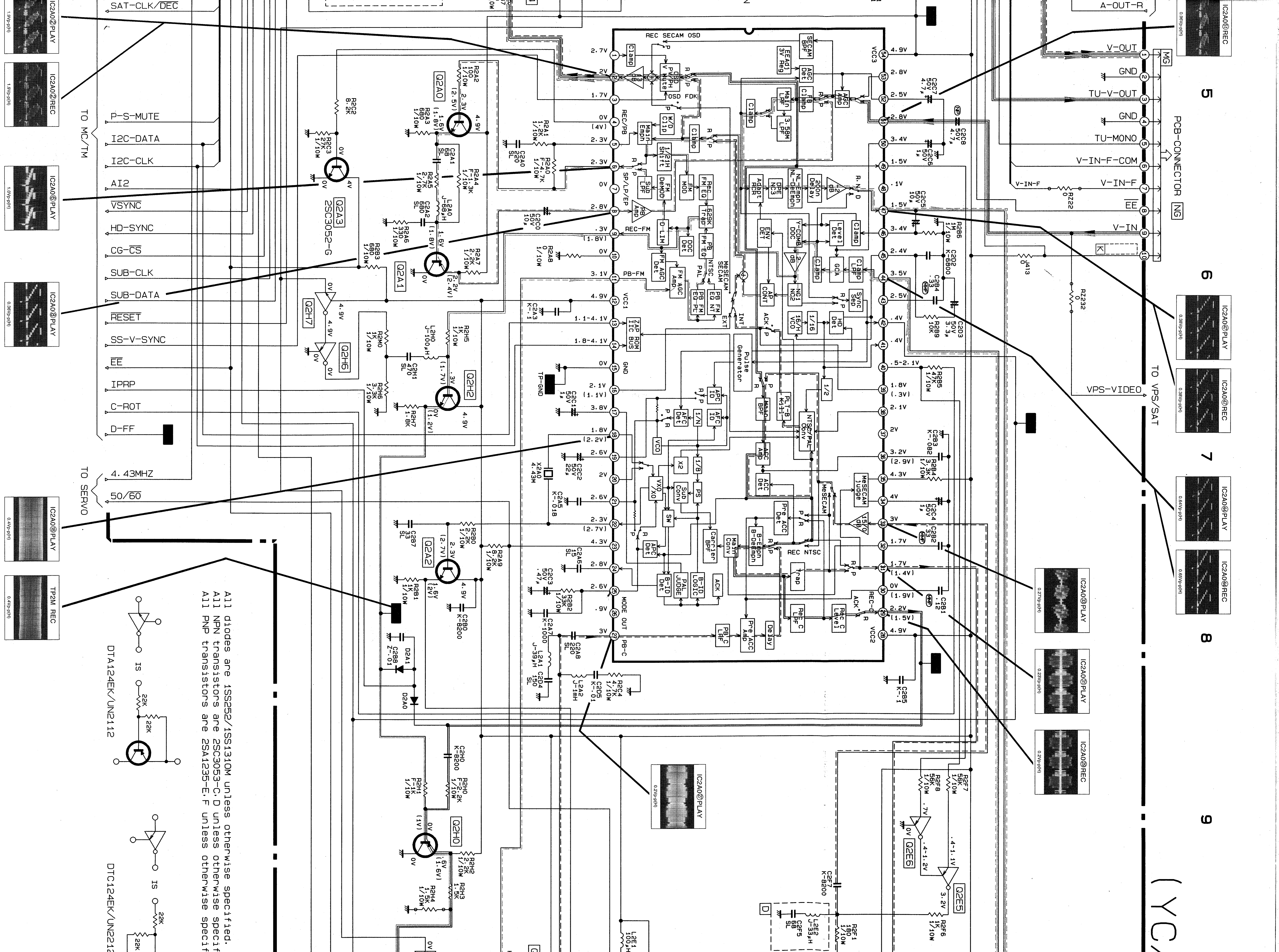
SYMBOL	A	R3006	R3007	R3008	R3009	C3005	C3007	R3020	R3021	R3022	R3023	C3029	C3030	L3604	R3035	R3036	R3037	R3038	C3034	C3035	RZ186	RZ188	RZ189	RZ191	RZ117	RZ118	RZ99	RZ418	R3024	R3025	R3026	R3027	R3699
ADDRESS	D-11	E-7	E-7	E-7	E-7	E-7	E-7	C-5	D-5	D-5	D-5	C-6	D-6	C-4	E-4	E-4	E-5	E-5	E-4	E-5	F-6	F-6	D-5	D-5	D-6	D-6	E-5	E-5	D-5	D-5	D-5	E-6	D-3
HS-761V(GY)	×	×	×	×	×	×	×	47K	27K	47K	27K	○	○	○	F-1.5K	F-36K	F-1.5K	F-36K	○	○	×	×	○	○	○	○	○	×	0	×	47K	47K	×
HS-761V(B)	×	1.8K	27K	1.8K	27K	○	○	×	×	×	×	×	×	○	F-1.5K	F-36K	F-1.5K	F-36K	○	○	○	○	×	×	×	×	○	×	0	×	47K	39K	×
HS-761V(E)	×	5.6K	27K	5.6K	27K	○	○	47K	27K	47K	27K	○	○	○	×	0	×	0	×	×	○	○	○	○	○	○	○	×	0	×	47K	47K	×
HS-761V(IR)	×	1.8K	27K	1.8K	27K	○	○	×	×	×	×	×	×	○	×	0	×	0	×	×	○	○	×	×	×	×	○	×	0	×	47K	39K	×


1
2
3
4
5
A
B
C
D
E
F
G
PCB-CONNECTOR NB
MB
CANAL3/EXT2
CANAL2/EXT1
SAT-CLK/DEC
CANAL1/SW12
STBY12/CONT12-1
I2C-CLK
I2C-DATA
PCB-CONNECTOR NS
MS
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
TO HIFI
A-IN-L
A-IN-R
A-OUT-L
A-OUT-R
MG
V-OUT
GND
TU-V-OUT
GND
TO POWER
STBY12
SW5
SW12
STBY5
TO TU-VIF
EE
TU-MONO
TU-V-OUT
CONV-V-IN
EXT1
EXT2
SAT-CLK/DEC
CANAL3
CANAL2
CANAL1
R2L0 0 1/10W
R2L1 0 1/10W
RZ257 0
RZ256 0
R2K6 0 1/10W
RZ286 0
R2K7 0 1/10W
J16 0
R2K1 15K 1/10W
R2K3 820 1/10W
D2A2
R2K0 47K 1/10W
Q2K0
Q2K1
R2J2 68 1/10W
C2J1 6.3V 1000μ
R2J1 390 1/2W
C2J0 16V 100μ
R2J5 75 1/10W
R2J3 F-180 1/10W
R2J4 F-220 1/10W
R2J0 220 1/10W
L2J0 100μH
Q2J0
2SA933S-R, S
IC2A0
TA1232N
C2D0 6.3V 100μ
C2D1 K-.1
C2C7 50V 4.7μ
IC2V0
M35017-052SP
L2V3 100μH
C2W2 6.3V 100μ
C2V6 K-8200
C2V4 K-.01
C2V5 K-470
R2V7 1K 1/10W
VDD1
VSYNI
HD-SYNC
OSC-IN
OSC-OUT
O-AI1
EXT1
EXT2
O-B.B
VSS
OSC1
OSC2
CG-CS
SCK
SI
RES
VDD2
CG-VIDEO
LECHA
VIDEO
R2W3 F-510K 1/10W
R2W4 100K 1/10W
R2W0 F-5.6K 1/10W
R2W1 F-3.9K 1/10W
C2W3 50V 1μ
R2W2 22K 1/10W
C2V8 K-8200
C2V9 K-8200
Q2V3
2SC3052-G
R2W5 0 1/10W
D2V0 DA204K
C2V0 33 CH
C2V1 33 CH
L2V0 J-15μH
RZ253 0
C2W0 50V 1μ
R2V4 F-620 1/10W
R2V5 F-1.2K 1/10W
R2V2 1/10W
C2V3 Z-.01
R2V6 8.2K 1/10W
Q2V1
Q2V2
C2V2 47 SL
L2V2 J-27μH
Q2V0
R2V3 12K 1/10W
L2V1 100μH
C2W1 6.3V 100μ
R2V9 3.9K 1/10W
R2V8 22K 1/10W
C2V7 K-1500
Q2V4
2SC3052-G
R2V0 330 1/10W
R2B8 1.2K 1/10W
Q2E4
R2B7 270 1/10W
R2A2 100 1/10W
Q2A0
R2A3 680 1/10W
R2C2 8.2K
SECAM BPF
AGC Det
FB Clamp
AGC Amp
EEAdj 3V Reg
Main LPF
Clamp
OSD PW/PH V Mute
REC SECAM OSD
FDK
VCC3
TP2J PLAY
0.9Vp-p(H)
TP2J REC
0.85Vp-p(H)
IC2A0(51)REC
0.96Vp-p(H)
CANAL1
CANAL2
CANAL3
V-IN-F
V-IN-F-COM
A-GND
A-IN-F-L
A-IN-F-R
SAT-CLK/DEC
P-S-MUTE



○:Employed ×:Not Employed

SYMBOL	A	B	C	D	F	G	R2J5	R2K7	R2L0	R2L1	R2V2	R2W3	R2W4	RZ253	RZ22	C2E8	R2H4	R2C1	R2W5	K	J16	J413
ADDRESS	C-2	F-3	E-4	C-9	B-2	B-2	C-3	B-2	A-1	A-1	E-3	D-2	D-2	E-3	A-5	C-11	E-9	D-11	E-2	A-6	B-3	A-6
HS-761V(GY)	×	○	×	×	○	○	○	×	×	×	390	×	×	×	○	×	×	×	×	SW12	○	×
HS-761V(B)	○	×	×	×	×	×	×	○	○	○	0	×	×	×	○	×	×	×	×	SW5	×	○
HS-761V(E)	×	○	×	×	○	○	○	×	×	×	390	×	×	×	○	×	×	×	×	SW12	○	×
HS-761V(IR)	○	×	×	×	×	×	×	○	○	○	0	×	×	×	○	×	×	×	×	SW5	×	○

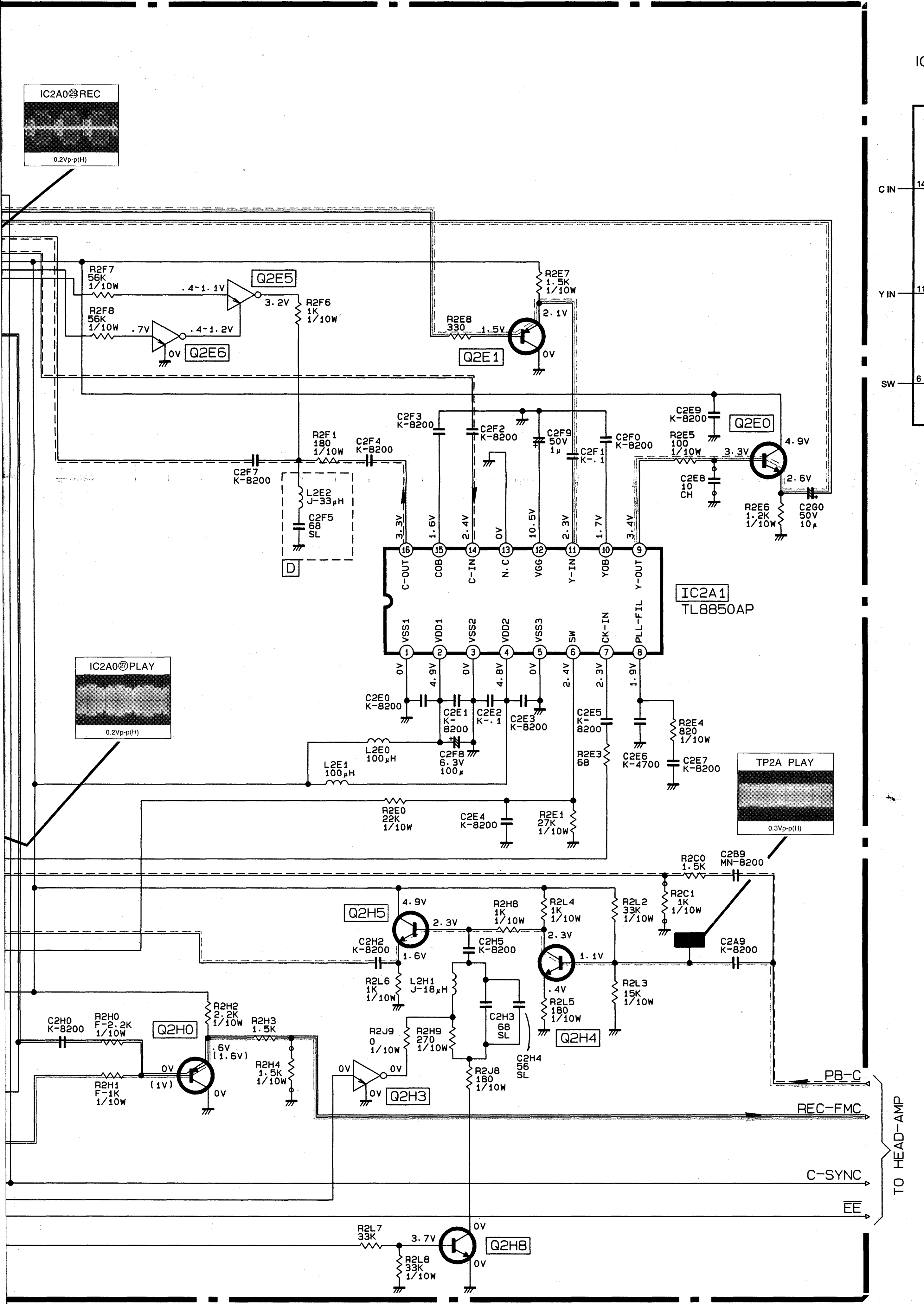

SAT-CLK/DEC
P-S-MUTE
I2C-DATA
I2C-CLK
AI2
VSYNC
HD-SYNC
CG-CS
SUB-CLK
SUB-DATA
RESET
SS-V-SYNC
EE
IPRP
C-ROT
D-FF
TO MC/TM
4.43MHZ
50/60
TO SERVO
A-OUT-R
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
PCB-CONNECTOR
MG
NG
VPS-VIDEO
TO VPS/SAT
Q2A0
Q2A1
Q2A2
Q2A3
2SC3052-G
Q2H0
Q2H2
Q2H6
Q2H7
Q2E5
Q2E6
IC2A0②PLAY
IC2A0②REC
IC2A0⑥PLAY
IC2A0⑧PLAY
IC2A0⑱PLAY
TP2M REC
IC2A0⑤REC
IC2A0㊼PLAY
IC2A0㊼REC
IC2A0㊹PLAY
IC2A0㊹REC
IC2A0㉝PLAY
IC2A0㉙PLAY
IC2A0㉙REC
IC2A0㉗PLAY
REC SECAM OSD
Clamp
OSD FDK
Main Emph
Main LPF
3.58M LPF
AGC Amp
AGC Det
SECAM BPF
EEAd1 3V Reg
Sub LPF
FM MOD
Rec FEQ
FM DeMOD
D-LIM
DOC Det
FM AGC
FM AGC Amp
PB AMP
REC-FM
PB-FM
VCC1
VCC2
VCC3
IIC BUS
ZAP ROM
GND
Pulse Generator
APC ID
AFC Det
AFC ID
1/N
VCO
x2
1/8
VXO /XO
Sub Conv
PS
SW
Carrier BPF
PAL Judge
B-ID Det
B-ID LOGIC
ACK
Main BPF
PLT-B Kill
NTSC/PAL Conv
ACC Amp
ACC Det
MeSECAM Judge
Pre ACC Det
Main Conv
B-Emph B-DeEmph
Trap
REC NTSC
Rec C LPF
Rec C Level
PB C LPF
Pre ACC Amp
Delay
MODE OUT
PB-C
REC-C
Sync Sep
HD Det
16/H VCO
1/16
1/2
NG1 NG2
AP CONT
ENV Det
Y-COMB DOC
GCA
Level Det
Clamp LPF
DPE NC3
NL-Emph NL-DeEmph
Adapt
2000 Delay
+2 dB
SP/LP/EP
REC/PB
EXT
INT
MeSECAM
X2A0 4.43M
TP-GND
5
6
7
8
9
D
K
(YC

All diodes are 1SS252/1SS131OM unless otherwise specified.
All NPN transistors are 2SC3053-C.D unless otherwise specif
All PNP transistors are 2SA1235-E.F unless otherwise specif

DTA124EK/UN2112
IS
22K
DTC124EK/UN2212

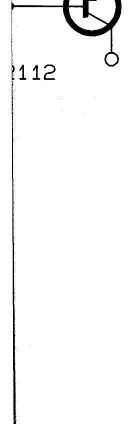
9 10 11

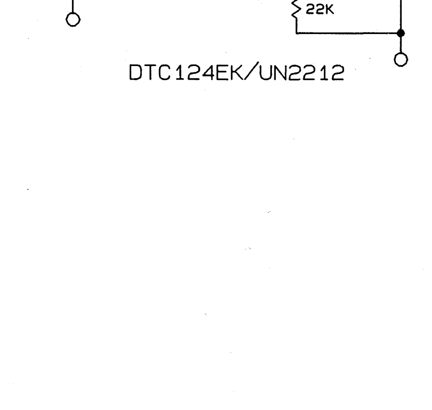
(YC/CG) ⚠ PCB-MAIN


IC2A0㉘REC
0.2Vp-p(H)
IC2A0㉗PLAY
0.2Vp-p(H)
TP2A PLAY
0.3Vp-p(H)
R2F7 56K 1/10W
R2F8 56K 1/10W
.4~1.1V
Q2E5
3.2V
R2F6 1K 1/10W
.7V
.4~1.2V
0V
Q2E6
R2E7 1.5K 1/10W
2.1V
R2E8 330
1.5V
Q2E1
0V
C2F3 K-8200
C2F2 K-8200
C2F9 50V 1μ
C2F1 K-.1
C2F0 K-8200
C2E9 K-8200
R2E5 100 1/10W
3.3V
Q2E0
4.9V
2.6V
C2E8 10 CH
R2E6 1.2K 1/10W
C2G0 50V 10μ
R2F1 180 1/10W
C2F4 K-8200
C2F7 K-8200
L2E2 J-33μH
C2F5 68 SL
D
3.3V
1.6V
2.4V
0V
10.5V
2.3V
1.7V
3.4V
C-OUT
COB
C-IN
N.C
VGG
Y-IN
YOB
Y-OUT
IC2A1
TL8850AP
VSS1
VDD1
VSS2
VDD2
VSS3
SW
CK-IN
PLL-FIL
0V
4.9V
0V
4.8V
0V
2.4V
2.3V
1.9V
C2E0 K-8200
C2E1 K-8200
C2E2 K-.1
C2E3 K-8200
C2E5 K-8200
C2F8 6.3V 100μ
L2E0 100μH
L2E1 100μH
R2E3 68
C2E6 K-4700
R2E4 820 1/10W
C2E7 K-8200
R2E0 22K 1/10W
C2E4 K-8200
R2E1 27K 1/10W
R2C0 1.5K
C2B9 MN-8200
R2C1 1K 1/10W
C2A9 K-8200
4.9V
Q2H5
2.3V
1.6V
C2H2 K-8200
R2H8 1K 1/10W
C2H5 K-8200
R2L4 1K 1/10W
2.3V
R2L2 33K 1/10W
1.1V
R2L3 15K 1/10W
R2L6 1K 1/10W
L2H1 J-18μH
C2H3 68 SL
.4V
R2L5 180 1/10W
Q2H4
C2H4 56 SL
R2J9 0 1/10W
R2H9 270 1/10W
R2J8 180 1/10W
0V
0V
0V
Q2H3
C2H0 K-8200
R2H0 F-2.2K 1/10W
Q2H0
R2H2 2.2K 1/10W
R2H3 1.5K
.6V (1.6V)
R2H4 1.5K 1/10W
0V
(1V)
0V
R2H1 F-1K 1/10W
R2L7 33K
3.7V
0V
Q2H8
0V
R2L8 33K 1/10W
PB-C
REC-FMC
C-SYNC
EE
TO HEAD-AMP

/1SS1310M unless otherwise specified.
re 2SC3053-C, D unless otherwise specified.
re 2SA1235-E, F unless otherwise specified.

———— Recording of Luminance Signal
- - - - - Playback of Luminance Signal
━━━━ Recording of Color Signal
---------- Playback of Color Signal

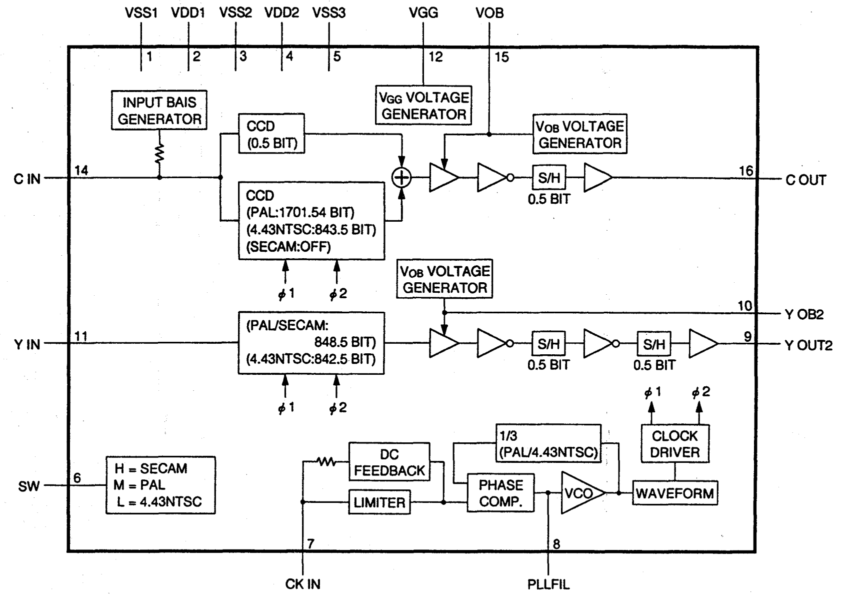




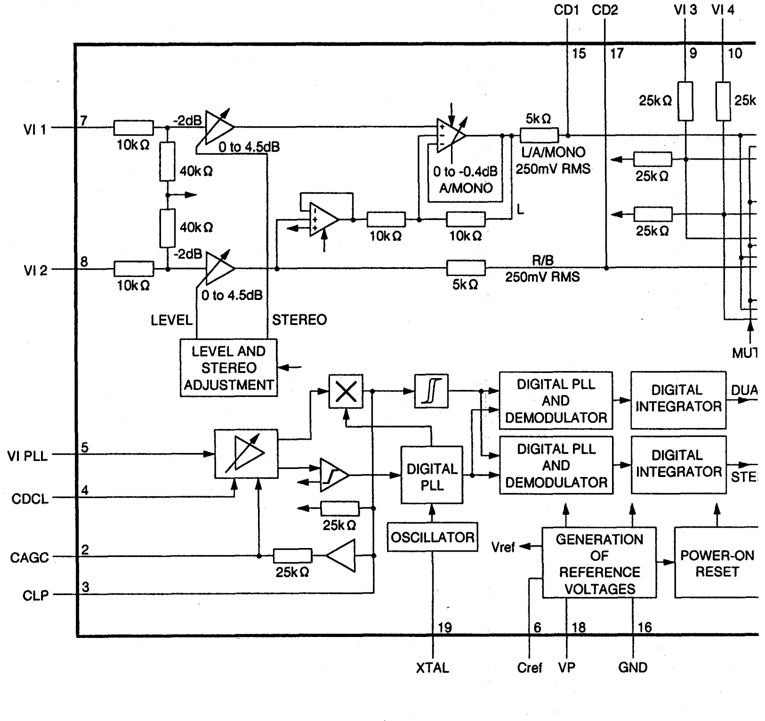
DTC124EK/UN2212

[IC-BLOCK DI

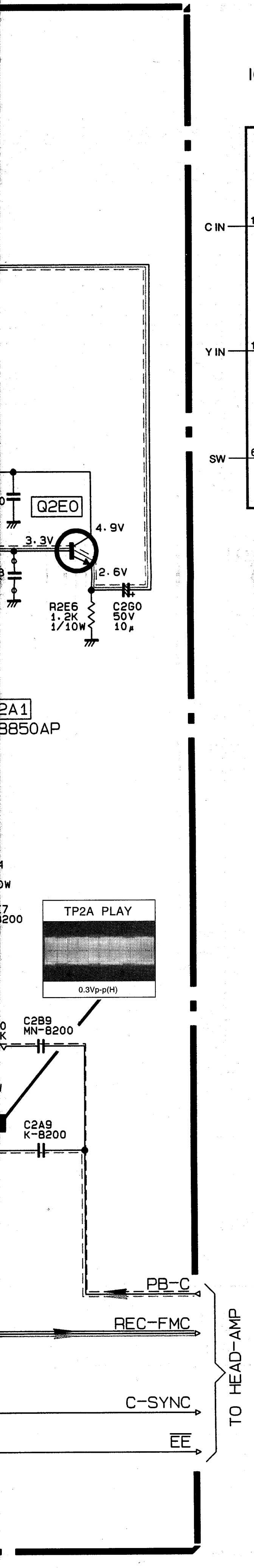
IC2A1 TL8850AP


VSS1
VDD1
VSS2
VDD2
VSS3
VGG
VOB
1
2
3
4
5
12
15
INPUT BAIS GENERATOR
CCD (0.5 BIT)
VGG VOLTAGE GENERATOR
VOB VOLTAGE GENERATOR
C IN
14
S/H
0.5 BIT
16
C OUT
CCD (PAL:1701.54 BIT) (4.43NTSC:843.5 BIT) (SECAM:OFF)
φ1
φ2
VOB VOLTAGE GENERATOR
10
Y OB2
Y IN
11
(PAL/SECAM: 848.5 BIT) (4.43NTSC:842.5 BIT)
S/H
0.5 BIT
S/H
0.5 BIT
9
Y OUT2
φ1
φ2
SW
6
H = SECAM
M = PAL
L = 4.43NTSC
DC FEEDBACK
LIMITER
1/3 (PAL/4.43NTSC)
PHASE COMP.
VCO
CLOCK DRIVER
WAVEFORM
7
CK IN
8
PLLFIL

IC701 TDA9840


CD1
CD2
VI 3
VI 4
15
17
9
10
VI 1
7
10kΩ
-2dB
0 to 4.5dB
40kΩ
40kΩ
5kΩ
0 to -0.4dB
A/MONO
L/A/MONO
250mV RMS
25kΩ
25kΩ
25kΩ
L
10kΩ
10kΩ
VI 2
8
10kΩ
-2dB
0 to 4.5dB
R/B
5kΩ
250mV RMS
LEVEL
STEREO
LEVEL AND STEREO ADJUSTMENT
DIGITAL PLL AND DEMODULATOR
DIGITAL INTEGRATOR
DUA
VI PLL
5
DIGITAL PLL
DIGITAL PLL AND DEMODULATOR
DIGITAL INTEGRATOR
STE
CDCL
4
25kΩ
CAGC
2
25kΩ
OSCILLATOR
Vref
GENERATION OF REFERENCE VOLTAGES
POWER-ON RESET
CLP
3
19
6
18
16
XTAL
Cref
VP
GND
MUT

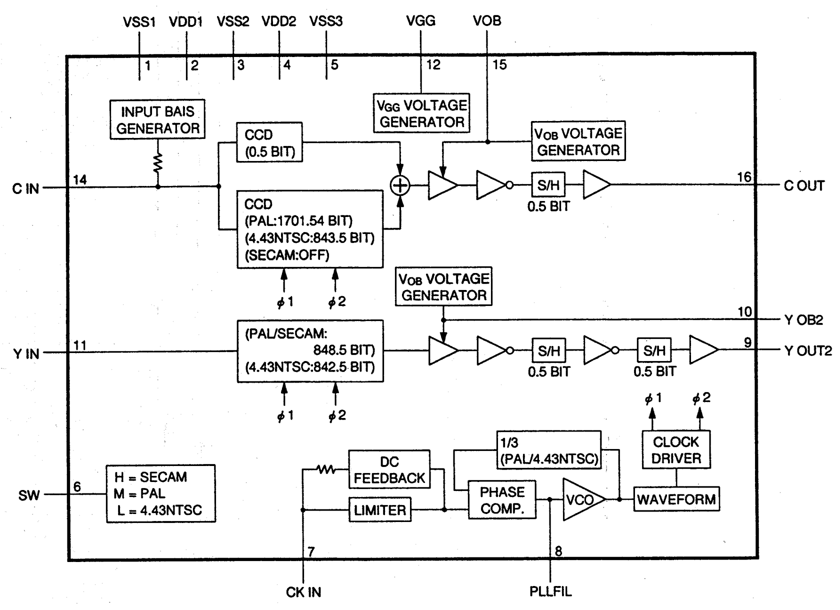
-MAIN


Q2E0
3.3V
4.9V
2.6V
R2E6
1.2K
1/10W
C2G0
50V
10μ
2A1
8850AP
TP2A PLAY
0.3Vp-p(H)
C2B9
MN-8200
C2A9
K-8200
PB-C
REC-FMC
C-SYNC
EE
TO HEAD-AMP

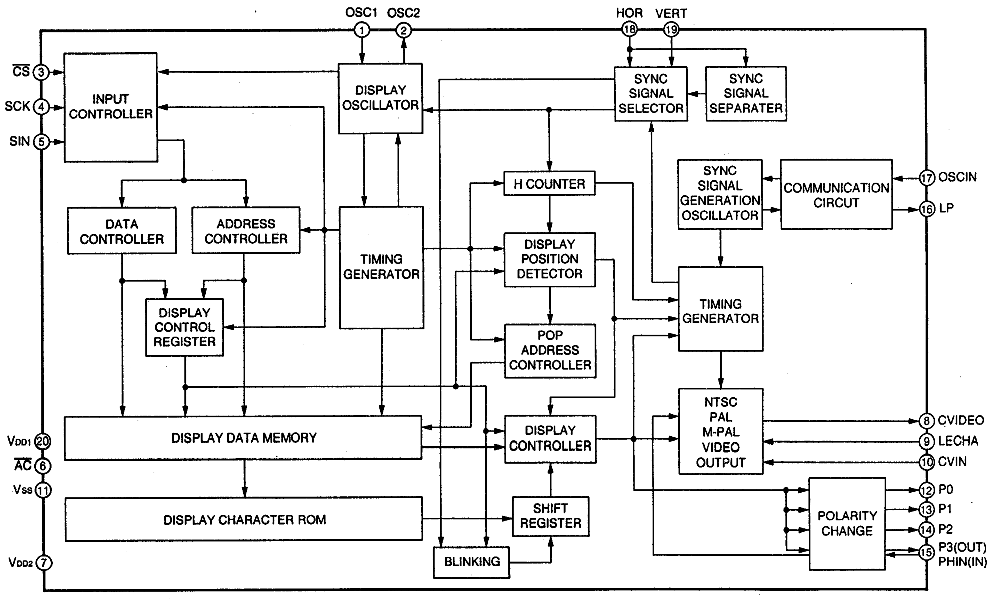
g of Luminance Signal
 of Luminance Signal
g of Color Signal
 of Color Signal

[IC-BLOCK DIAGRAM PCB-DUAL]

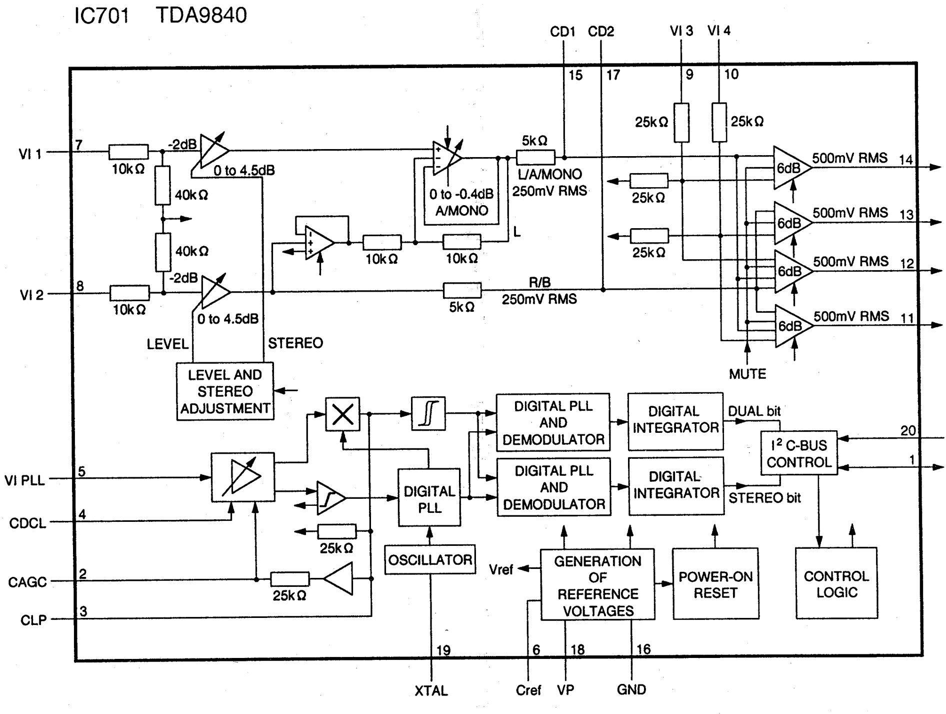
IC2A1 TL8850AP


VSS1
VDD1
VSS2
VDD2
VSS3
VGG
VOB
INPUT BAIS GENERATOR
CCD (0.5 BIT)
CCD (PAL:1701.54 BIT) (4.43NTSC:843.5 BIT) (SECAM:OFF)
VGG VOLTAGE GENERATOR
VOB VOLTAGE GENERATOR
VOB VOLTAGE GENERATOR
(PAL/SECAM: 848.5 BIT) (4.43NTSC:842.5 BIT)
S/H
0.5 BIT
ϕ1
ϕ2
C IN
Y IN
SW
C OUT
Y OB2
Y OUT2
H = SECAM
M = PAL
L = 4.43NTSC
DC FEEDBACK
LIMITER
PHASE COMP.
1/3 (PAL/4.43NTSC)
VCO
CLOCK DRIVER
WAVEFORM
CK IN
PLLFIL

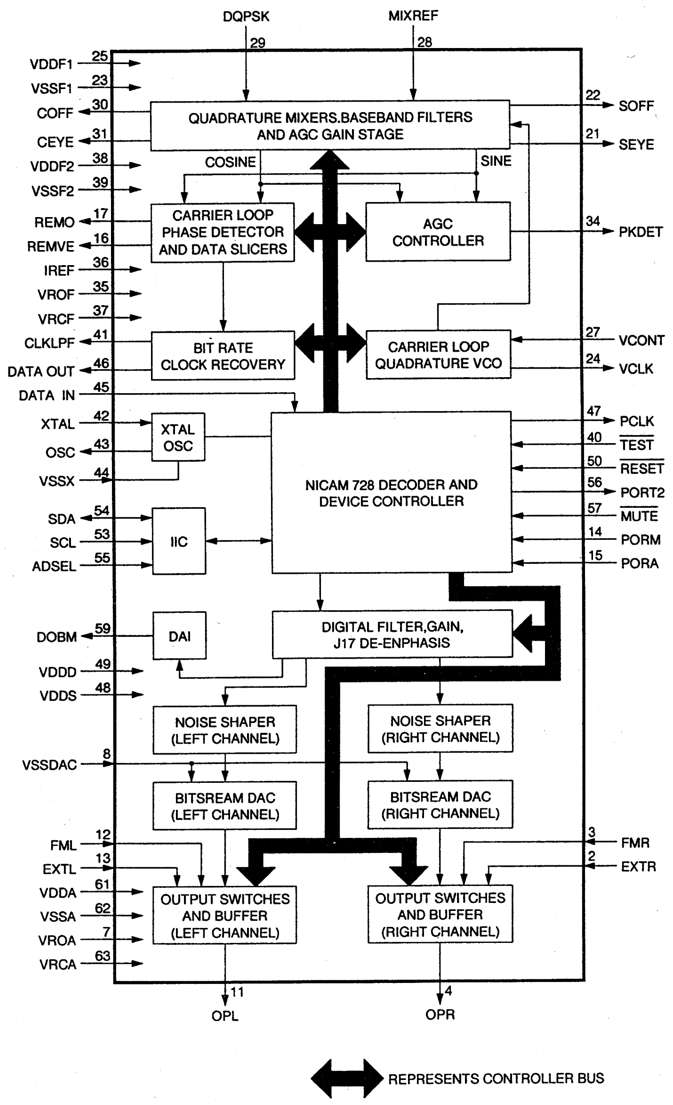
IC2V0 M35017-052SP


OSC1
OSC2
HOR
VERT
CS
SCK
SIN
INPUT CONTROLLER
DISPLAY OSCILLATOR
SYNC SIGNAL SELECTOR
SYNC SIGNAL SEPARATER
H COUNTER
SYNC SIGNAL GENERATION OSCILLATOR
COMMUNICATION CIRCUT
OSCIN
LP
DATA CONTROLLER
ADDRESS CONTROLLER
TIMING GENERATOR
DISPLAY POSITION DETECTOR
DISPLAY CONTROL REGISTER
TIMING GENERATOR
POP ADDRESS CONTROLLER
NTSC PAL M-PAL VIDEO OUTPUT
DISPLAY DATA MEMORY
DISPLAY CONTROLLER
CVIDEO
LECHA
CVIN
VDD1
AC
VSS
VDD2
DISPLAY CHARACTER ROM
SHIFT REGISTER
POLARITY CHANGE
BLINKING
P0
P1
P2
P3(OUT)
PHIN(IN)

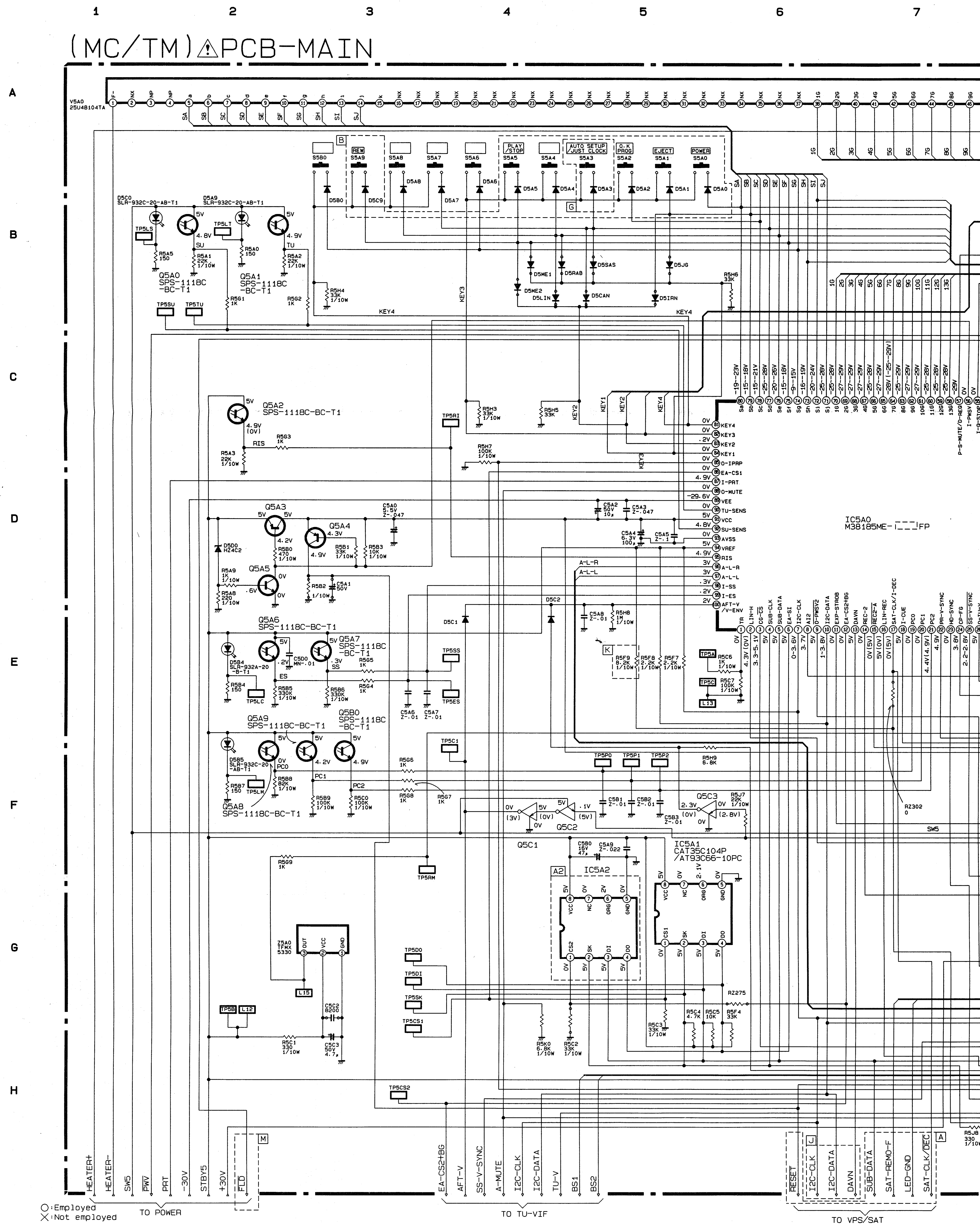
IC701 TDA9840


CD1
CD2
VI 3
VI 4
VI 1
VI 2
10kΩ
40kΩ
-2dB
0 to 4.5dB
5kΩ
0 to -0.4dB A/MONO
L/A/MONO 250mV RMS
25kΩ
500mV RMS
6dB
VO 1
VO 2
VO 3
VO 4
R/B 250mV RMS
L
LEVEL
STEREO
LEVEL AND STEREO ADJUSTMENT
MUTE
DIGITAL PLL AND DEMODULATOR
DIGITAL INTEGRATOR
DUAL bit
I² C-BUS CONTROL
STEREO bit
SCL
SDA
VI PLL
CDCL
CAGC
CLP
DIGITAL PLL
OSCILLATOR
Vref
GENERATION OF REFERENCE VOLTAGES
POWER-ON RESET
CONTROL LOGIC
XTAL
Cref
VP
GND

IC7A0 SAA7283GP


DQPSK
MIXREF
VDDF1
VSSF1
COFF
CEYE
VDDF2
VSSF2
REMO
REMVE
IREF
VROF
VRCF
CLKLPF
DATA OUT
DATA IN
XTAL
OSC
VSSX
SDA
SCL
ADSEL
DOBM
VDDD
VDDS
VSSDAC
FML
EXTL
VDDA
VSSA
VROA
VRCA
QUADRATURE MIXERS.BASEBAND FILTERS AND AGC GAIN STAGE
COSINE
SINE
SOFF
SEYE
CARRIER LOOP PHASE DETECTOR AND DATA SLICERS
AGC CONTROLLER
PKDET
BIT RATE CLOCK RECOVERY
CARRIER LOOP QUADRATURE VCO
VCONT
VCLK
XTAL OSC
NICAM 728 DECODER AND DEVICE CONTROLLER
PCLK
TEST
RESET
PORT2
MUTE
PORM
PORA
IIC
DAI
DIGITAL FILTER,GAIN, J17 DE-ENPHASIS
NOISE SHAPER (LEFT CHANNEL)
NOISE SHAPER (RIGHT CHANNEL)
BITSREAM DAC (LEFT CHANNEL)
BITSREAM DAC (RIGHT CHANNEL)
OUTPUT SWITCHES AND BUFFER (LEFT CHANNEL)
OUTPUT SWITCHES AND BUFFER (RIGHT CHANNEL)
FMR
EXTR
OPL
OPR
REPRESENTS CONTROLLER BUS

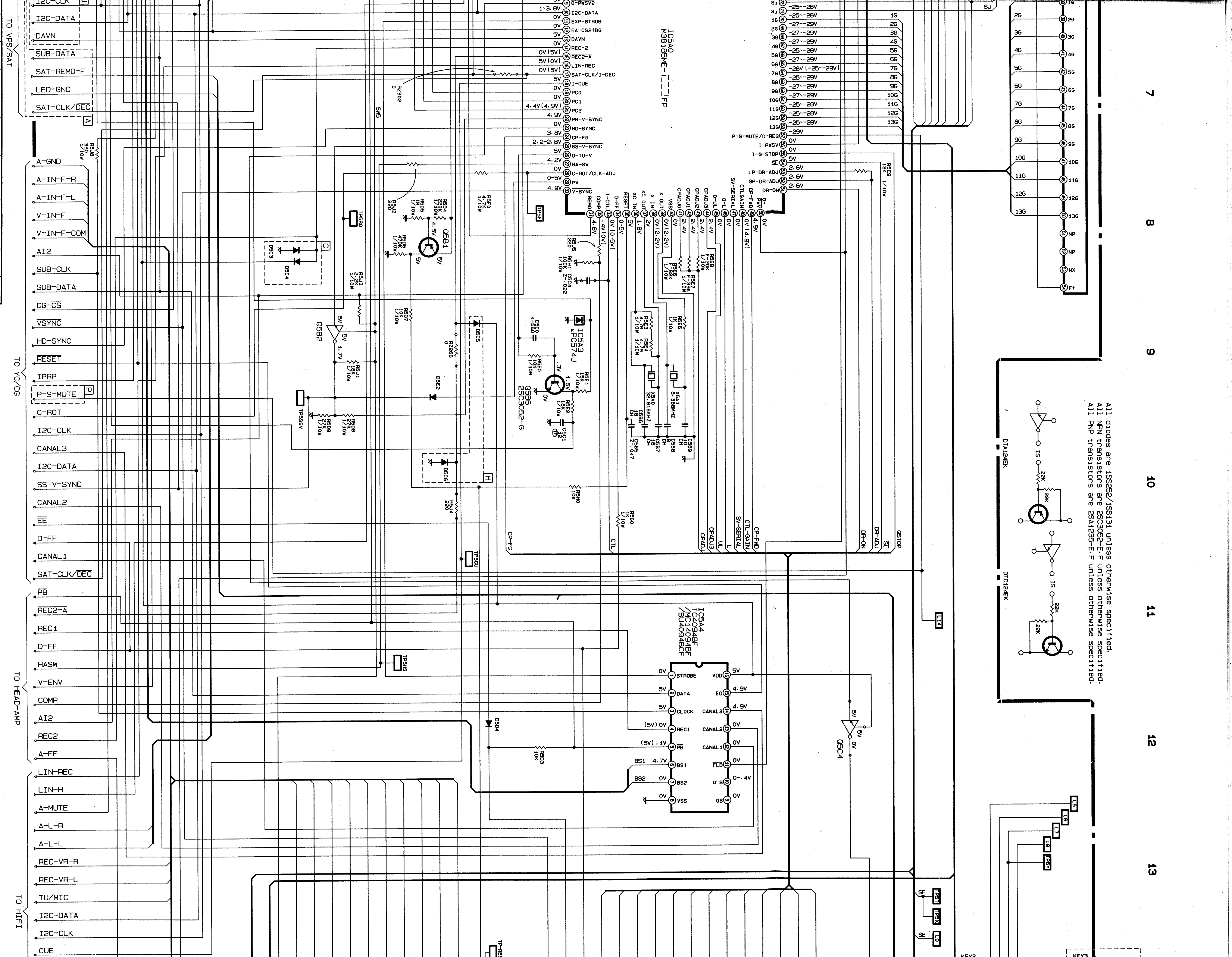
(MC/TM)⚠PCB-MAIN


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
V5A0
25U4B104TA
S5B0
REM
S5A9
S5A8
S5A7
S5A6
PLAY/STOP
S5A5
S5A4
AUTO SETUP/JUST CLOCK
S5A3
O.K PROG
S5A2
EJECT
S5A1
POWER
S5A0
D5C0
SLR-932C-20-AB-T1
D5A9
SLR-932C-20-AB-T1
Q5A0
SPS-1118C-BC-T1
Q5A1
SPS-1118C-BC-T1
Q5A2
SPS-1118C-BC-T1
Q5A3
Q5A4
Q5A5
Q5A6
SPS-1118C-BC-T1
Q5A7
SPS-1118C-BC-T1
Q5A9
SPS-1118C-BC-T1
Q5B0
SPS-1118C-BC-T1
Q5A8
SPS-1118C-BC-T1
Z5A0
TFMX
5330
Q5C1
Q5C2
Q5C3
IC5A2
IC5A1
CAT35C104P
/AT93C66-10PC
IC5A0
M38185ME-[ ]FP
KEY1
KEY2
KEY3
KEY4
RZ302
RZ275
SW5
HEATER+
HEATER-
SW5
PWV
PRT
-30V
STBY5
+30V
FLD
TO POWER
EA-CS2+BG
AFT-V
SS-V-SYNC
A-MUTE
I2C-CLK
I2C-DATA
TU-V
BS1
BS2
TO TU-VIF
RESET
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
SAT-REMO-F
LED-GND
SAT-CLK/DEC
TO VPS/SAT

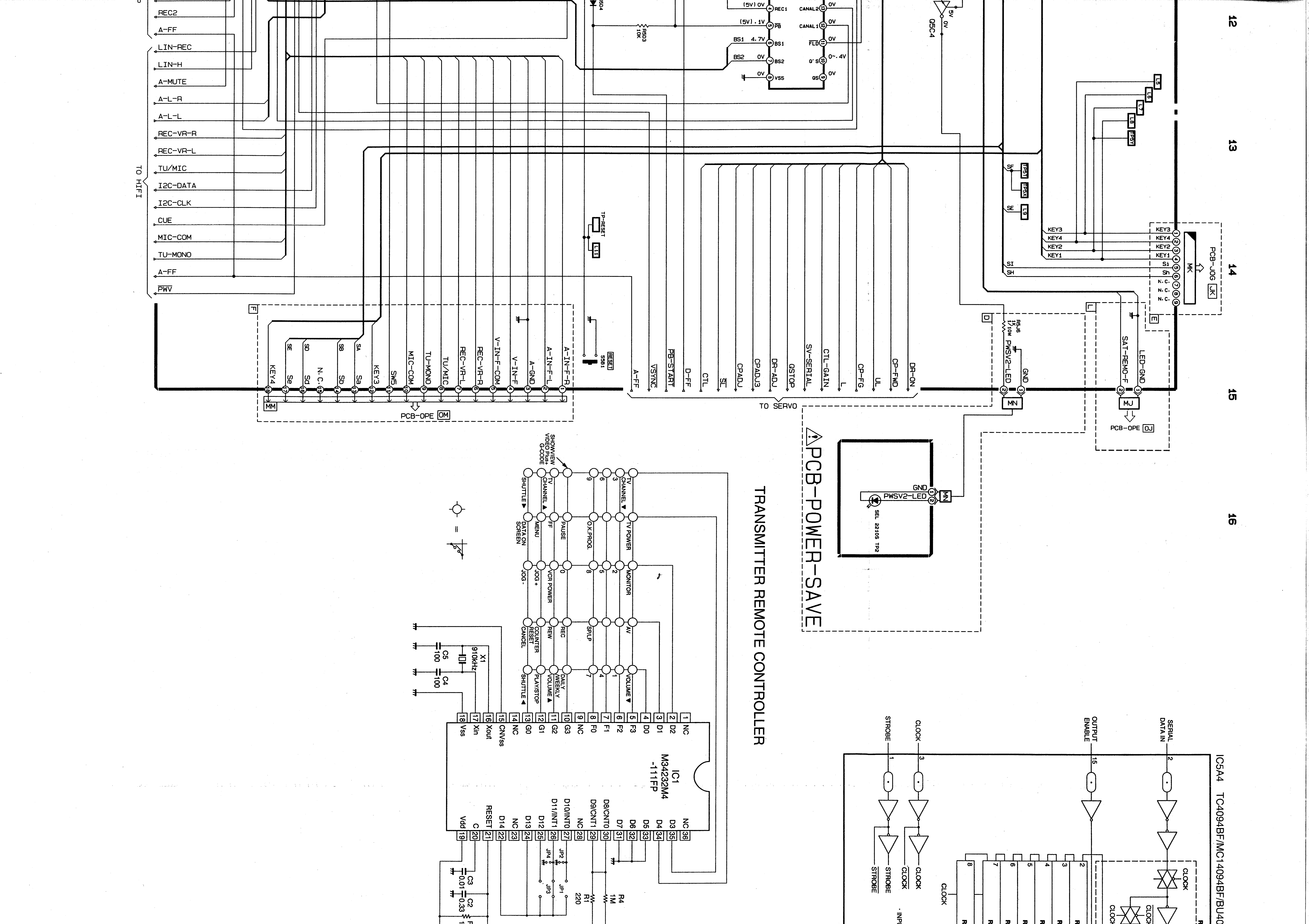
○:Employed
×:Not employed

SYMBOL	D5JG	D5IRN	D5SAS	D5CAN	D5RAB	D5LIN	D5ME1	D5ME2	IC5A0	A2	C5C2	C5C4	A	B	C	D	E	F	G	H	J	K	L	M	RZ302	RZ268	R5J4	Q5C4	S5B0	S5A8
ADDRESS	B-5	B-5	B-5	B-5	B-4	B-4	B-4	B-4	E-7	G-5	G-3	D-8	H-7	A-3	G-8	B-15	A-14	G-14	A-5	E-10	H-7	E-5	A-15	H-2	E-7	F-9	F-10	C-12	A-3	A-3
HS-761V(B)	○	×	○	×	○	×	×	×	215	AT93C56-10PC	×	×	○	×	×	×	○	○	×	×	○	×	○	×	×	○	○	×	PLAY/STOP	REC/OTR
HS-761V(GY)	○	×	×	○	○	×	×	×	216	AT93C56-10PC	×	×	×	×	×	○	○	○	×	×	○	○	×	○	○	○	○	○	PLAY/STOP	REC/OTR
HS-761V(E)	○	×	×	○	○	×	×	×	222	AT93C56-10PC	×	×	×	×	×	○	○	○	×	×	○	○	×	○	○	○	○	○	PLAY/STOP	REC/OTR
HS-761V(IR)	○	○	○	×	○	×	×	×	215	AT93C56-10PC	×	×	○	×	×	×	○	○	×	×	○	×	○	×	×	○	○	×	PLAY/STOP	REC/OTR

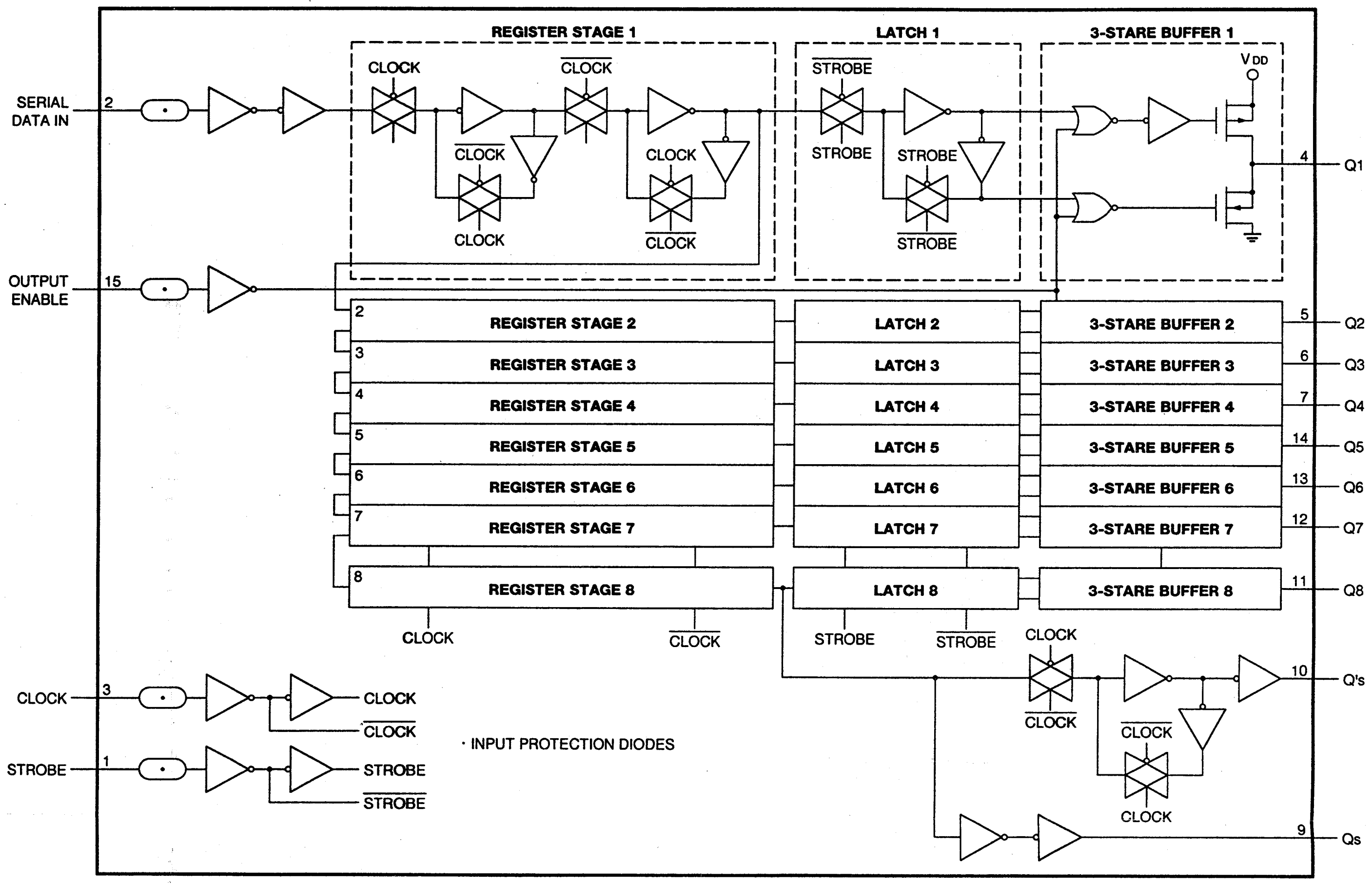
268	R5J4	Q5C4	S5B0	S5A8	S5A7	S5A6	P	R5B2	C5A1
-9	F-10	C-12	A-3	A-3	A-3	A-4	H-9	D-3	D-3
○	○	X	PLAY/STOP	REC/OTR	O.K PROG	PAUSE	X	680	10μ
○	○	○	PLAY/STOP	REC/OTR	O.K PROG	PAUSE	○	15K	.47μ
○	○	○	PLAY/STOP	REC/OTR	O.K PROG	PAUSE	○	15K	.47μ
○	○	X	PLAY/STOP	REC/OTR	O.K PROG	PAUSE	X	680	10μ

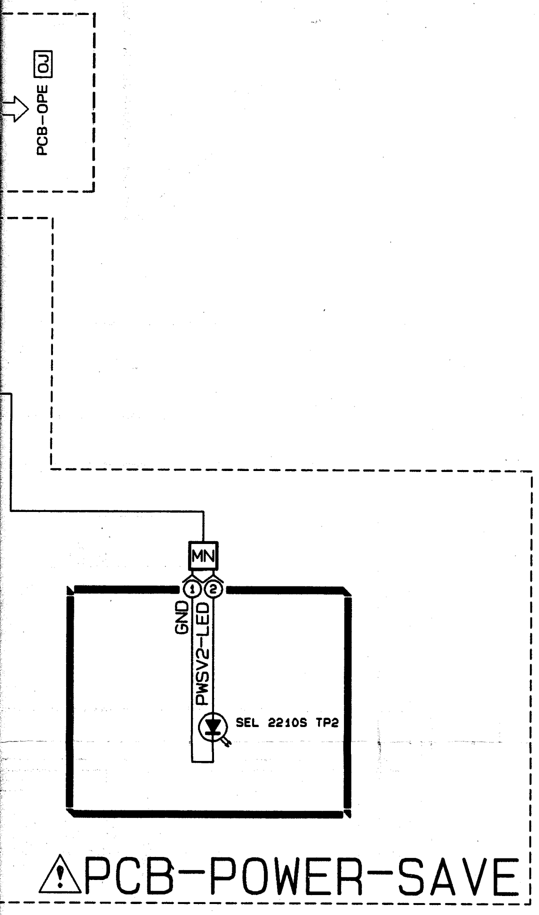

TO VPS/SAT
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
SAT-REMO-F
LED-GND
SAT-CLK/DEC
A-GND
A-IN-F-R
A-IN-F-L
V-IN-F
V-IN-F-COM
AI2
SUB-CLK
SUB-DATA
CG-CS
VSYNC
HD-SYNC
RESET
IPRP
P-S-MUTE
TO YC/CG
C-ROT
I2C-CLK
CANAL3
I2C-DATA
SS-V-SYNC
CANAL2
EE
D-FF
CANAL1
SAT-CLK/DEC
PB
REC2-A
REC1
D-FF
HASW
V-ENV
COMP
AI2
REC2
A-FF
TO HEAD-AMP
LIN-REC
LIN-H
A-MUTE
A-L-R
A-L-L
REC-VR-R
REC-VR-L
TU/MIC
I2C-DATA
I2C-CLK
CUE
TO HIFI
IC5A0
M38185ME-___FP
O-PWSV2
I2C-DATA
EXP-STROB
EA-CS2+BG
DAVN
REC-2
REC2-A
LIN-REC
SAT-CLK/I-DEC
I-CUE
PC0
PC1
PC2
PR-V-SYNC
HD-SYNC
CP-FG
SS-V-SYNC
O-TU-V
HA-SW
C-ROT/CLK-ADJ
PV
V-SYNC
P-S-MUTE/D-REQ
I-PWSV
I-Q-STOP
SL
LP-DR-ADJ
SP-DR-ADJ
DR-ON
Q5B1
Q5B2
Q5B6
2SC3052-G
IC5A3
μPC574J
X5A0
32.768KHZ
X5A1
8.388MHZ
D5C3
D5C4
D5C5
D5C6
D5E2
D5D4
TP5R0
TP5F
TP5SSV
TP5CU
TP5HS
R5J8
R5J2
R5D5
R5D4
R5D6
R5D7
R5J3
R5J1
R5D9
R5D8
R5E0
R5E1
R5E2
C5C0
C5C1
R5H0
R5J4
R5G0
R5D3
R5E9
R2302
R2268
SW5
IC5A4
TC4094BF
/MC14094BF
/BU4094BCF
STROBE
DATA
CLOCK
REC1
PB
BS1
BS2
VSS
VDD
EO
CANAL3
CANAL2
CANAL1
FLD
Q'S
QS
Q5C4
CP-FG
CTL
CPADJ
UL
L
SV-SERIAL
CTL-GAIN
CP-FWD
DR-ON
DR-ADJ
SL
QSTOP
L14
L5
L6
L7
L8
TP5Y
TP5X
L9
SF
SE
KEY3
DTA124EK
DTC124EK
22K
1G
2G
3G
4G
5G
6G
7G
8G
9G
10G
11G
12G
13G
NP
NX
F+
SJ
7
8
9
10
11
12
13

All diodes are 1SS252/1SS131 unless otherwise specified.
All NPN transistors are 2SC3052-E-F unless otherwise specified.
All PNP transistors are 2SA1235-E-F unless otherwise specified.


TO HIFI
REC2
A-FF
LIN-REC
LIN-H
A-MUTE
A-L-R
A-L-L
REC-VR-R
REC-VR-L
TU/MIC
I2C-DATA
I2C-CLK
CUE
MIC-COM
TU-MONO
A-FF
PWV
KEY4
SE
SD
N.C.
SB
SA
KEY3
SW5
MIC-COM
TU-MONO
TU/MIC
REC-VR-L
REC-VR-R
V-IN-F-COM
V-IN-F
A-GND
A-IN-F-L
A-IN-F-R
MM
PCB-OPE OM
TP-RESET
L11
RESET
S5B1
R5D3
10K
(5V) 0V REC1
(5V) .1V PB
BS1 4.7V BS1
BS2 0V BS2
0V VSS
CANAL2 0V
CANAL1 0V
FLD 0V
Q'S 0~.4V
QS 0V
Q5C4
5V
0V
A-FF
VSYNC
PB-START
D-FF
CTL
SL
CPADJ
CPADJ3
DR-ADJ
QSTOP
SV-SERIAL
CTL-GAIN
L
CP-FG
UL
CP-FWD
DR-ON
TO SERVO
SF
TP57
TP5X
SE
L9
L5
L6
L7
L8
TP5Y
KEY3
KEY4
KEY2
KEY1
SI
SH
KEY3
KEY4
KEY2
KEY1
Si
Sh
N.C.
N.C.
N.C.
MK
PCB-JOG JK
D
R5J6
1K
PWSV2-LED
GND
MN
L
E
SAT-REMO-F
LED-GND
MJ
PCB-OPE OJ
PCB-POWER-SAVE
GND
PWSV2-LED
MN
SEL 2210S TP2
TRANSMITTER REMOTE CONTROLLER
SHOWVIEW VIDEO Plus+ G-CODE
9
6
3
TV CHANNEL ▼
SHUTTLE ▼
TV CHANNEL ▲
PAUSE
O.K.PROG.
TV POWER
DATA ON SCREEN
MENU
FF
0
8
5
2
MONITOR
JOG -
JOG +
VCR POWER
SP/LP
AV
CANCEL
COUNTER RESET
REW
REC
7
4
1
VOLUME ▼
SHUTTLE ▲
PLAY/STOP
VOLUME ▲
DAILY WEEKLY
X1
910kHz
C5
100
C4
100
IC1
M34232M4
-111FP
Vss
Xin
Xout
CNVss
NC
G0
G1
G2
G3
NC
F0
F1
F2
F3
D0
D1
D2
NC
Vdd
C
RESET
D14
NC
D13
D12
D11/INT1
D10/INT0
NC
D9/CNT1
D8/CNT0
D7
D6
D5
D4
D3
NC
JP4
JP2
JP3
JP1
R1
220
R4
1M
C3
0.01
C2
0.33
IC5A4 TC4094BF/MC14094BF/BU40
STROBE
CLOCK
OUTPUT ENABLE
SERIAL DATA IN
STROBE
STROBE
CLOCK
CLOCK
CLOCK
CLOCK
12
13
14
15
16

IC5A4 TC4094BF/MC14094BF/BU4094BCF


REGISTER STAGE 1
LATCH 1
3-STARE BUFFER 1
SERIAL DATA IN
2
OUTPUT ENABLE
15
CLOCK
CLOCK
STROBE
VDD
4
Q1
REGISTER STAGE 2
REGISTER STAGE 3
REGISTER STAGE 4
REGISTER STAGE 5
REGISTER STAGE 6
REGISTER STAGE 7
REGISTER STAGE 8
LATCH 2
LATCH 3
LATCH 4
LATCH 5
LATCH 6
LATCH 7
LATCH 8
3-STARE BUFFER 2
3-STARE BUFFER 3
3-STARE BUFFER 4
3-STARE BUFFER 5
3-STARE BUFFER 6
3-STARE BUFFER 7
3-STARE BUFFER 8
5 Q2
6 Q3
7 Q4
14 Q5
13 Q6
12 Q7
11 Q8
10 Q's
9 Qs
3
1
STROBE
· INPUT PROTECTION DIODES

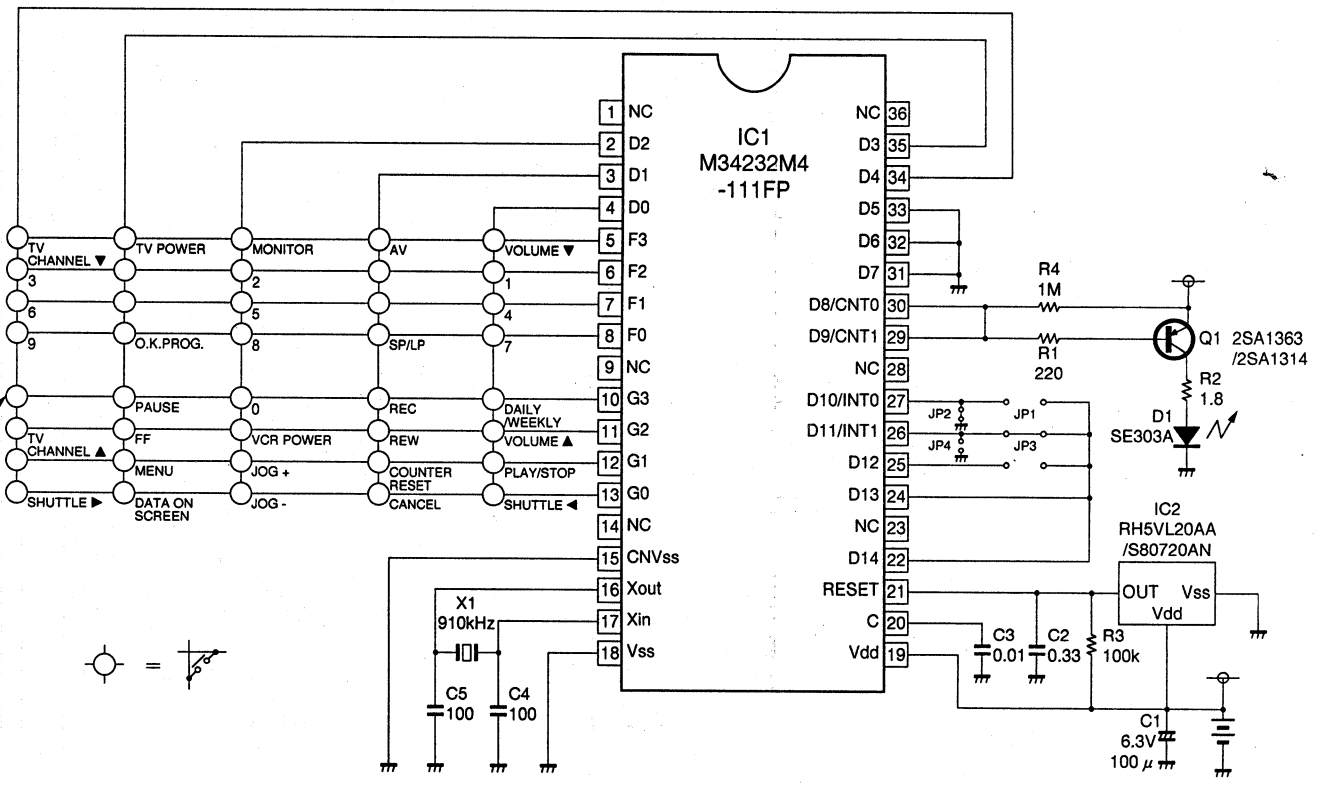

PCB-OPE OJ
MN
1
2
GND
PWSV2-LED
SEL 2210S TP2
⚠PCB-POWER-SAVE

✱ TRUE TABLE

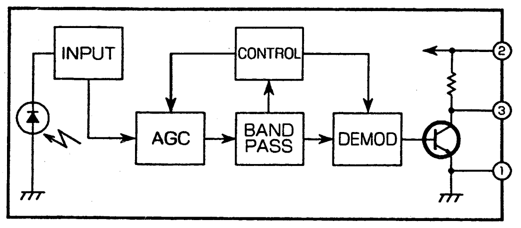
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				QI	QN	QS	Q'S
↑	0	×	×	3S	3S	Q7	NO CHG.
↓	0	×	×	3S	3S	NO CHG.	Q7
↑	1	0	×	NO CHG.	NO CHG.	Q7	NO CHG.
↑	1	1	0	0	QN-1	Q7	NO CHG.
↑	1	1	1	1	QN-1	Q7	NO CHG.
↓	1	1	1	NO CHG.	NO CHG.	NO CHG.	Q7

3S = Three-Stare
× = Don't Care
At the positive clock edge.
Information in the 7th shift register stage is transferred to Q8 and QS.

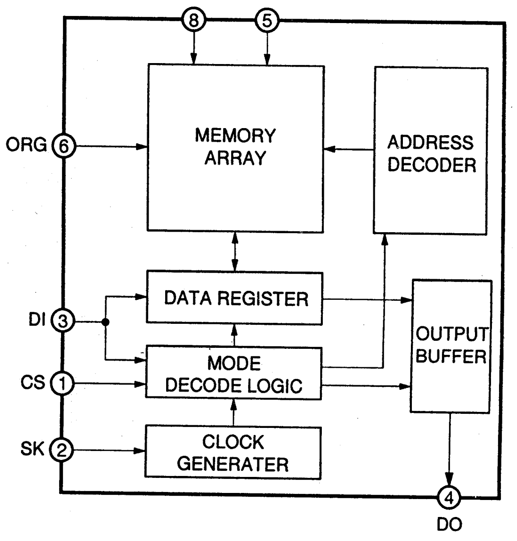
TRANSMITTER REMOTE CONTROLLER

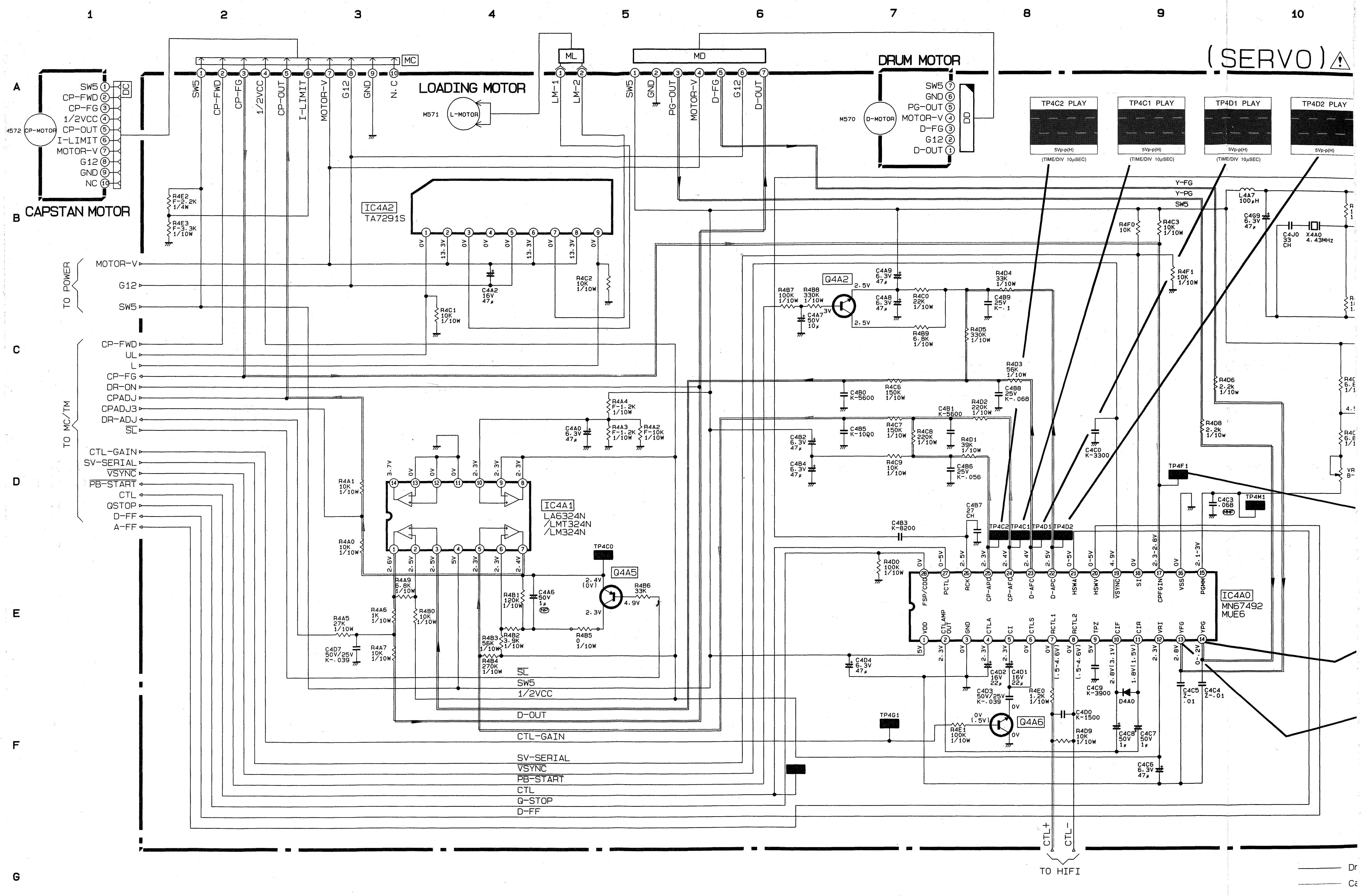

IC1
M34232M4
-111FP
1 NC
2 D2
3 D1
4 D0
5 F3
6 F2
7 F1
8 F0
9 NC
10 G3
11 G2
12 G1
13 G0
14 NC
15 CNVss
16 Xout
17 Xin
18 Vss
NC 36
D3 35
D4 34
D5 33
D6 32
D7 31
D8/CNT0 30
D9/CNT1 29
NC 28
D10/INT0 27
D11/INT1 26
D12 25
D13 24
NC 23
D14 22
RESET 21
C 20
Vdd 19
TV CHANNEL ▼
TV POWER
MONITOR
AV
VOLUME ▼
3
2
1
6
5
4
9
O.K.PROG.
8
SP/LP
7
SHOWVIEW VIDEO Plus+ G-CODE
PAUSE
0
REC
DAILY /WEEKLY
TV CHANNEL ▲
FF
VCR POWER
REW
VOLUME ▲
MENU
JOG +
COUNTER RESET
PLAY/STOP
SHUTTLE ▶
DATA ON SCREEN
JOG -
CANCEL
SHUTTLE ◀
X1
910kHz
C5
100
C4
100
R4
1M
R1
220
Q1 2SA1363
/2SA1314
R2
1.8
D1
SE303A
JP2
JP1
JP4
JP3
IC2
RH5VL20AA
/S80720AN
OUT Vss
Vdd
C3
0.01
C2
0.33
R3
100k
C1
6.3V
100 μ
=

Z5A0 TFMX 5330


INPUT
CONTROL
AGC
BAND PASS
DEMOD
2
3
1

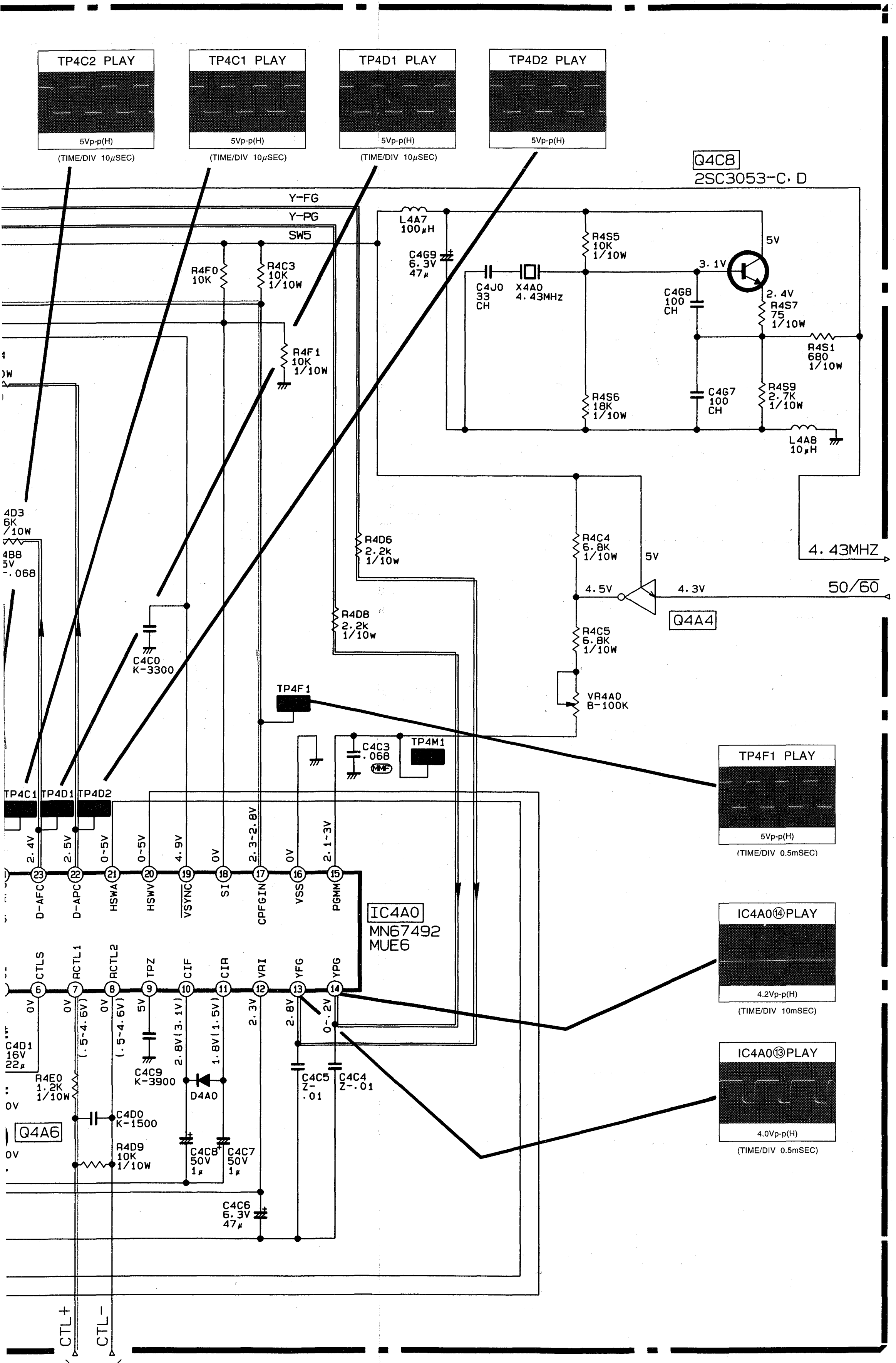
IC5A1 CAT35C104P/AT93C66–10PC
IC5A2 AT93C56–10PC


Vcc
GND
8
5
ORG 6
MEMORY ARRAY
ADDRESS DECODER
DATA REGISTER
DI 3
OUTPUT BUFFER
MODE DECODE LOGIC
CS 1
CLOCK GENERATER
SK 2
4
DO


(SERVO)
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
CAPSTAN MOTOR
CP-MOTOR
SW5 ①
CP-FWD ②
CP-FG ③
1/2VCC ④
CP-OUT ⑤
I-LIMIT ⑥
MOTOR-V ⑦
G12 ⑧
GND ⑨
NC ⑩
DC
MC
LOADING MOTOR
M571
L-MOTOR
ML
LM-1
LM-2
MD
DRUM MOTOR
M570
D-MOTOR
SW5 ⑦
GND ⑥
PG-OUT ⑤
MOTOR-V ④
D-FG ③
G12 ②
D-OUT ①
DD
SW5
CP-FWD
CP-FG
1/2VCC
CP-OUT
I-LIMIT
MOTOR-V
G12
GND
N.C
GND
PG-OUT
D-FG
D-OUT
R4E2 F-2.2K 1/4W
R4E3 F-3.3K 1/10W
IC4A2
TA7291S
0V
13.3V
R4C1 10K 1/10W
C4A2 16V 47µ
R4C2 10K 1/10W
TO POWER
MOTOR-V
G12
SW5
TO MC/TM
CP-FWD
UL
L
CP-FG
DR-ON
CPADJ
CPADJ3
DR-ADJ
SL
CTL-GAIN
SV-SERIAL
VSYNC
PB-START
CTL
QSTOP
D-FF
A-FF
R4A4 F-1.2K 1/10W
R4A3 F-1.2K 1/10W
R4A2 F-10K 1/10W
C4A0 6.3V 47µ
R4A1 10K 1/10W
R4A0 10K 1/10W
IC4A1
LA6324N
/LMT324N
/LM324N
3.7V
2.3V
2.6V
2.5V
5V
2.4V
TP4C0
Q4A5
2.4V (0V)
4.9V
2.3V
R4B6 33K
C4A6 50V 1µ NP
R4A9 6.8K 1/10W
R4A6 1K 1/10W
R4B0 10K 1/10W
R4A5 27K 1/10W
C4D7 50V/25V K-.039
R4A7 10K 1/10W
R4B1 120K 1/10W
R4B2 3.9K 1/10W
R4B3 56K 1/10W
R4B4 270K 1/10W
R4B5 0 1/10W
SL
SW5
1/2VCC
D-OUT
CTL-GAIN
SV-SERIAL
VSYNC
PB-START
CTL
Q-STOP
D-FF
Q4A2
2.5V
3V
R4B7 100K 1/10W
R4B8 330K 1/10W
C4A7 50V 10µ
C4A9 6.3V 47µ
C4A8 6.3V 47µ
R4C0 22K 1/10W
R4B9 6.8K 1/10W
R4D4 33K 1/10W
C4B9 25V K-.1
R4D5 330K 1/10W
R4D3 56K 1/10W
C4B8 25V K-.068
C4B0 K-5600
R4C6 150K 1/10W
R4D2 220K 1/10W
C4B1 K-5600
C4B5 K-1000
R4C7 150K 1/10W
R4C8 220K 1/10W
R4D1 39K 1/10W
C4B2 6.3V 47µ
C4B4 6.3V 47µ
R4C9 10K 1/10W
C4B6 25V K-.056
C4C0 K-3300
C4B7 27 CH
C4B3 K-8200
TP4C2 PLAY
TP4C1 PLAY
TP4D1 PLAY
TP4D2 PLAY
5Vp-p(H)
(TIME/DIV 10µSEC)
Y-FG
Y-PG
SW5
R4F0 10K
R4C3 10K 1/10W
R4F1 10K 1/10W
L4A7 100µH
C4G9 6.3V 47µ
C4J0 33 CH
X4A0 4.43MHz
R4D6 2.2K 1/10W
R4D8 2.2K 1/10W
TP4F1
C4C3 .068
TP4M1
TP4C2
TP4C1
TP4D1
TP4D2
R4D0 100K 1/10W
IC4A0
MN67492
MUE6
FSP/CDD
PCTL
RCK
CP-APC
CP-AFC
D-AFC
D-APC
HSWA
HSWV
VSYNC
SI
CPFGIN
VSS
PGMN
VDD
CTLAMP OUT
GND
CTLA
CI
CTLS
RCTL1
RCTL2
TPZ
CIF
CIR
VRI
YFG
YPG
0-5V
2.5V
2.3V
2.4V
2.5V
0-5V
4.9V
0V
2.3-2.8V
2.1-3V
5V
(.5-4.6V)
2.8V(3.1V)
1.8V(1.5V)
0-.2V
C4D4 6.3V 47µ
C4D2 16V 22µ
C4D1 16V 22µ
C4D3 50V/25V K-.039
R4E0 1.2K 1/10W
C4C9 K-3900
D4A0
C4C5 Z-.01
C4C4 Z-.01
C4D0 K-1500
R4D9 10K 1/10W
C4C8 50V 1µ
C4C7 50V 1µ
C4C6 6.3V 47µ
TP4G1
R4E1 100K 1/10W
Q4A6
0V (.5V)
CTL+
CTL-
TO HIFI

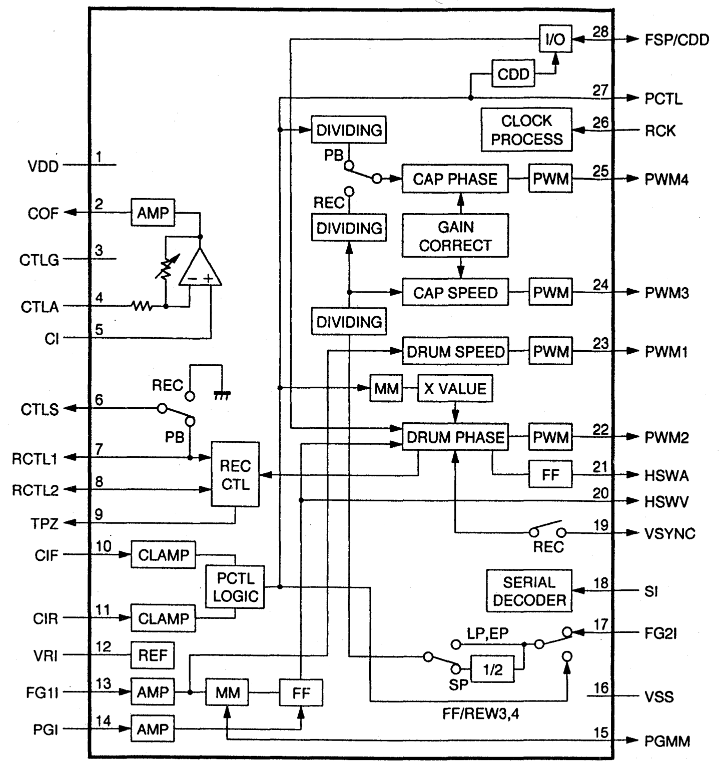
8 9 10 11 12 13 14 15 16 17 18

(SERVO) ⚠ PCB-MAIN



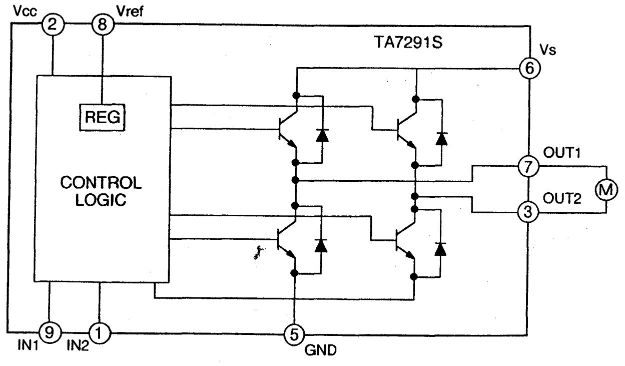
TP4C2 PLAY
TP4C1 PLAY
TP4D1 PLAY
TP4D2 PLAY
5Vp-p(H)
(TIME/DIV 10μSEC)
Q4C8
2SC3053-C, D
Y-FG
Y-PG
SW5
L4A7 100μH
C4G9 6.3V 47μ
R4S5 10K 1/10W
R4F0 10K
R4C3 10K 1/10W
C4J0 33 CH
X4A0 4.43MHz
C4G8 100 CH
3.1V
5V
2.4V
R4S7 75 1/10W
R4S1 680 1/10W
R4F1 10K 1/10W
R4S6 18K 1/10W
C4G7 100 CH
R4S9 2.7K 1/10W
L4A8 10μH
R4C4 6.8K 1/10W
4.43MHZ
50/60
TO YC/CG
R4D6 2.2k 1/10W
4.5V
4.3V
Q4A4
R4D8 2.2k 1/10W
R4C5 6.8K 1/10W
C4C0 K-3300
VR4A0 B-100K
TP4F1
C4C3 .068
TP4M1
TP4F1 PLAY
5Vp-p(H)
(TIME/DIV 0.5mSEC)
TP4C1 TP4D1 TP4D2
D-AFC D-APC HSWA HSWV VSYNC SI CPFGIN VSS PGMM
IC4A0
MN67492
MUE6
IC4A0⑭PLAY
4.2Vp-p(H)
(TIME/DIV 10mSEC)
IC4A0⑬PLAY
4.0Vp-p(H)
(TIME/DIV 0.5mSEC)
CTLS RCTL1 RCTL2 TPZ CIF CIR VRI YFG YPG
C4D1 16V 22μ
R4E0 1.2K 1/10W
Q4A6
C4D0 K-1500
R4D9 10K 1/10W
C4C9 K-3900
D4A0
C4C8 50V 1μ
C4C7 50V 1μ
C4C5 Z-.01
C4C4 Z-.01
C4C6 6.3V 47μ
CTL+
CTL-
TO HIFI

IC4A0 MN67492-MUE6



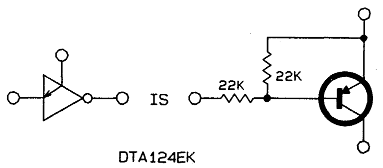
VDD
COF
CTLG
CTLA
CI
CTLS
RCTL1
RCTL2
TPZ
CIF
CIR
VRI
FG11
PGI
AMP
REC
PB
REC CTL
CLAMP
PCTL LOGIC
REF
MM
FF
I/O
CDD
DIVIDING
CLOCK PROCESS
CAP PHASE
PWM
GAIN CORRECT
CAP SPEED
DRUM SPEED
MM
X VALUE
DRUM PHASE
SERIAL DECODER
LP,EP
SP
1/2
FF/REW3,4
FSP/CDD
PCTL
RCK
PWM4
PWM3
PWM1
PWM2
HSWA
HSWV
VSYNC
SI
FG2I
VSS
PGMM

IC4A2 TA7291S

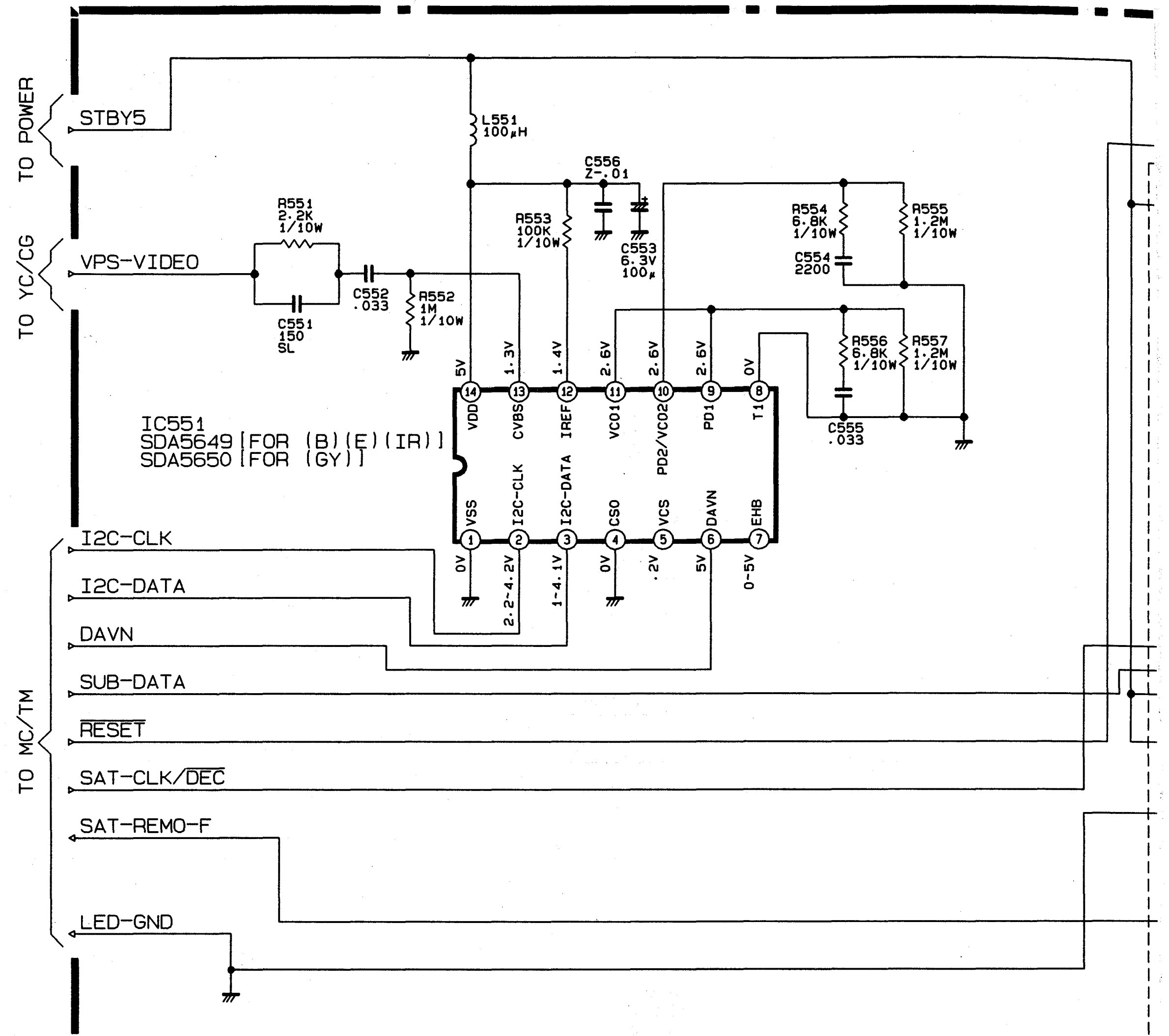


Vcc
Vref
TA7291S
Vs
REG
CONTROL LOGIC
OUT1
OUT2
M
IN1
IN2
GND

All diodes are 1SS252/1SS131 unless otherwise specified.
All NPN transistors are 2SC3052-E,F unless otherwise specified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

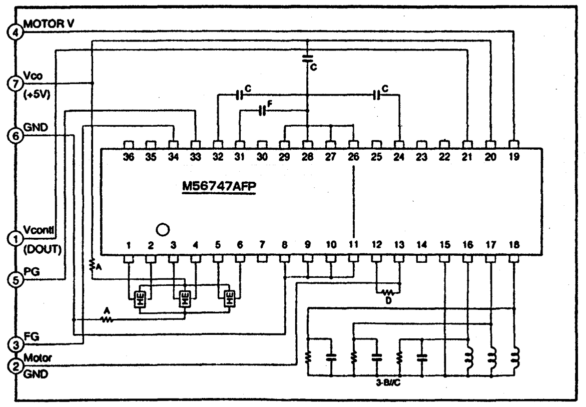


DTA124EK



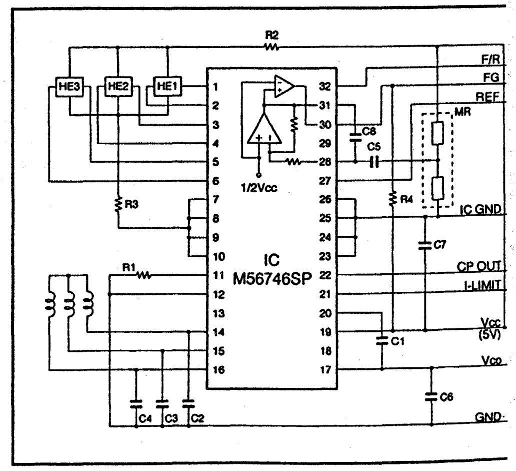
TO POWER
STBY5
L551 100μH
C556 Z-.01
R551 2.2K 1/10W
R553 100K 1/10W
C553 6.3V 100μ
R554 6.8K 1/10W
R555 1.2M 1/10W
C554 2200
TO YC/CG
VPS-VIDEO
C551 150 SL
C552 .033
R552 1M 1/10W
R556 6.8K 1/10W
R557 1.2M 1/10W
C555 .033
IC551
SDA5649 [FOR (B)(E)(IR)]
SDA5650 [FOR (GY)]
VDD CVBS IREF VCO1 PD2/VCO2 PD1 T1
VSS I2C-CLK I2C-DATA CSO VCS DAVN EHB
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
RESET
SAT-CLK/DEC
SAT-REMO-F
LED-GND
TO MC/TM

DRUM MOTOR



MOTOR V
Vcc (+5V)
GND
Vcontl (DOUT)
PG
FG
Motor GND
M56747AFP

CAPSTAN MOTOR



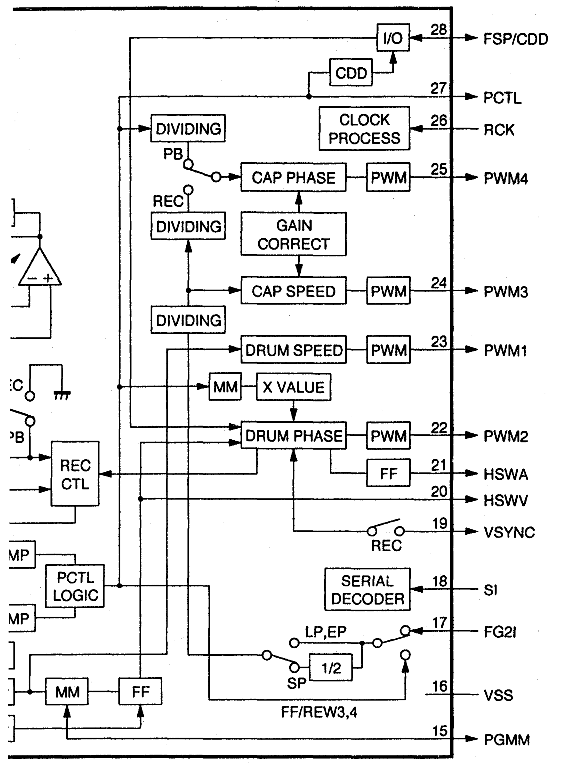
HE3
HE2
HE1
R2
R3
R4
R1
IC
M56746SP
1/2Vcc
MR
F/R
FG
REF
IC GND
CP OUT
I-LIMIT
Vcc (5V)
Vco
GND
C1
C2
C3
C4
C5
C6
C7
C8

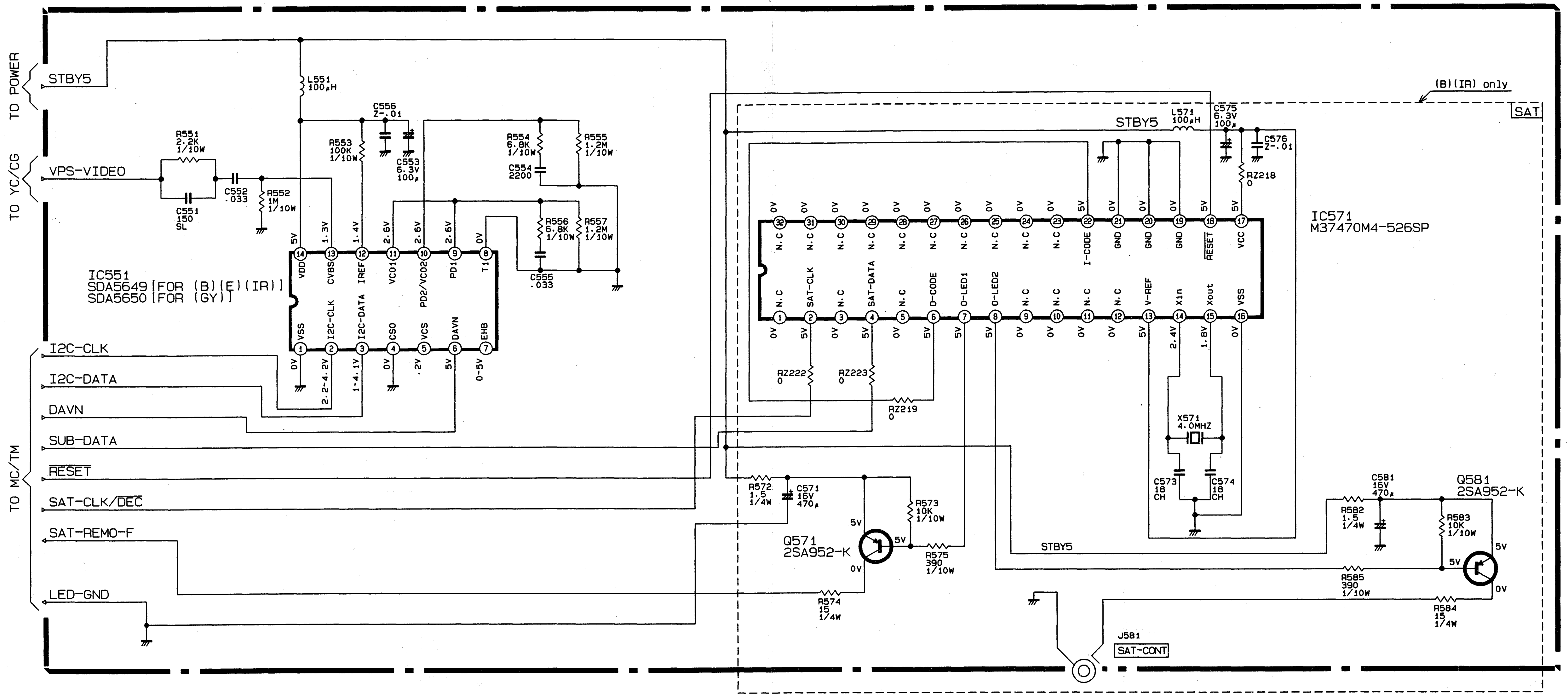
—— Drum Servo System
······ Capstan Servo System

13 14 15 16 17 18 19 20 21 22

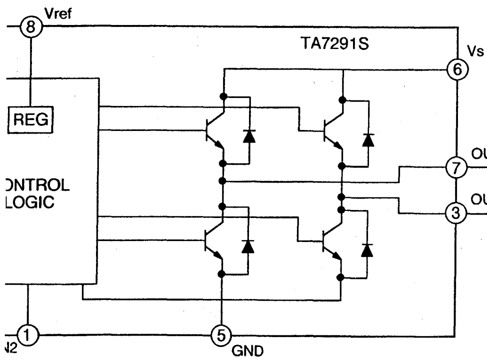
(VPS/SAT) ⚠PCB-MAIN

MN67492–MUE6


I/O
CDD
DIVIDING
CLOCK PROCESS
PB
REC
CAP PHASE
PWM
DIVIDING
GAIN CORRECT
CAP SPEED
DIVIDING
DRUM SPEED
MM
X VALUE
DRUM PHASE
REC CTL
FF
REC
SERIAL DECODER
PCTL LOGIC
LP,EP
SP
1/2
MM
FF
FF/REW3,4
28 FSP/CDD
27 PCTL
26 RCK
25 PWM4
24 PWM3
23 PWM1
22 PWM2
21 HSWA
20 HSWV
19 VSYNC
18 SI
17 FG2I
16 VSS
15 PGMM

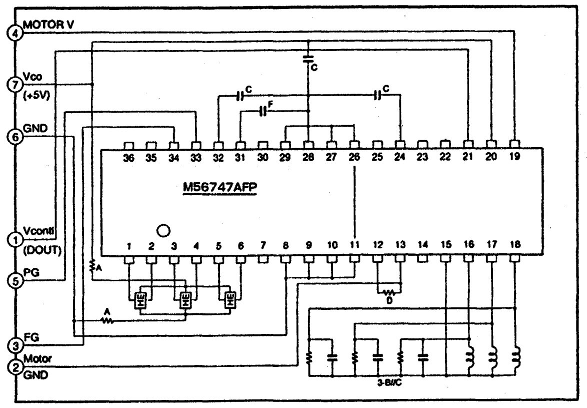

TO POWER
STBY5
TO YC/CG
VPS-VIDEO
TO MC/TM
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
RESET
SAT-CLK/DEC
SAT-REMO-F
LED-GND
L551 100μH
R551 2.2K 1/10W
C551 150 SL
C552 .033
R552 1M 1/10W
R553 100K 1/10W
C556 Z-.01
C553 6.3V 100μ
R554 6.8K 1/10W
C554 2200
R555 1.2M 1/10W
R556 6.8K 1/10W
R557 1.2M 1/10W
C555 .033
IC551 SDA5649 [FOR (B)(E)(IR)] SDA5650 [FOR (GY)]
VDD VSS CVBS I2C-CLK IREF I2C-DATA VCO1 CSO PD2/VCO2 VCS PD1 DAVN TI EHB
(B)(IR) only
SAT
STBY5
L571 100μH
C575 6.3V 100μ
C576 Z-.01
RZ218 0
IC571 M37470M4-526SP
N.C SAT-CLK SAT-DATA O-CODE O-LED1 O-LED2 I-CODE GND V-REF Xin Xout RESET VCC VSS
RZ222 0
RZ223 0
RZ219 0
X571 4.0MHZ
C573 18 CH
C574 18 CH
R572 1.5 1/4W
C571 16V 470μ
R573 10K 1/10W
Q571 2SA952-K
R575 390 1/10W
R574 15 1/4W
STBY5
C581 16V 470μ
R582 1.5 1/4W
Q581 2SA952-K
R583 10K 1/10W
R585 390 1/10W
R584 15 1/4W
J581 SAT-CONT

TA7291S

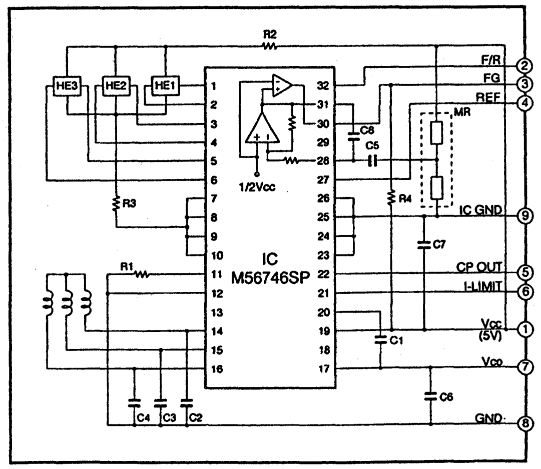

Vref
TA7291S
Vs
REG
ONTROL LOGIC
OUT1
OUT2
M
GND

S252/1SS131 unless otherwise specified.
rs are 2SC3052-E,F unless otherwise specified.
rs are 2SA1235-E,F unless otherwise specified.

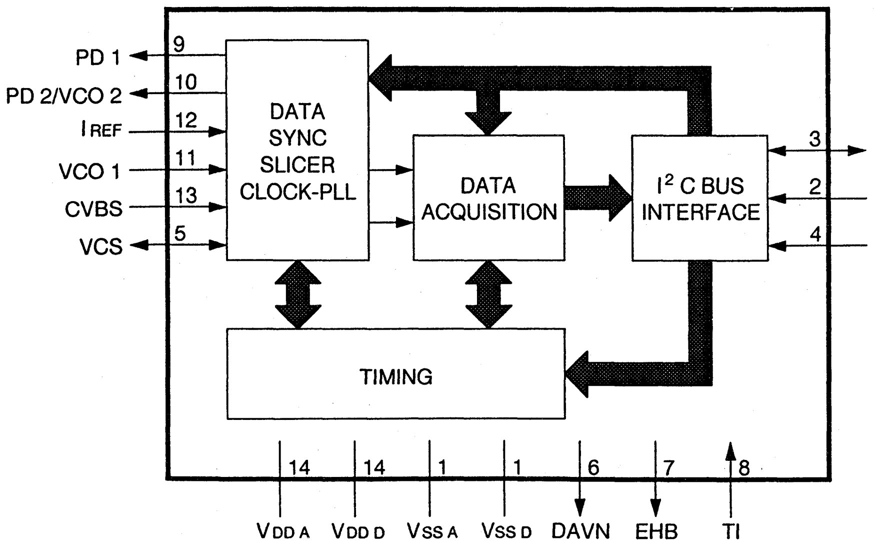
DRUM MOTOR

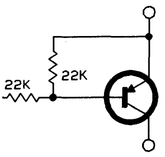

MOTOR V
Vcc (+5V)
GND
Vcontl (DOUT)
PG
FG
Motor GND
M56747AFP

CAPSTAN MOTOR

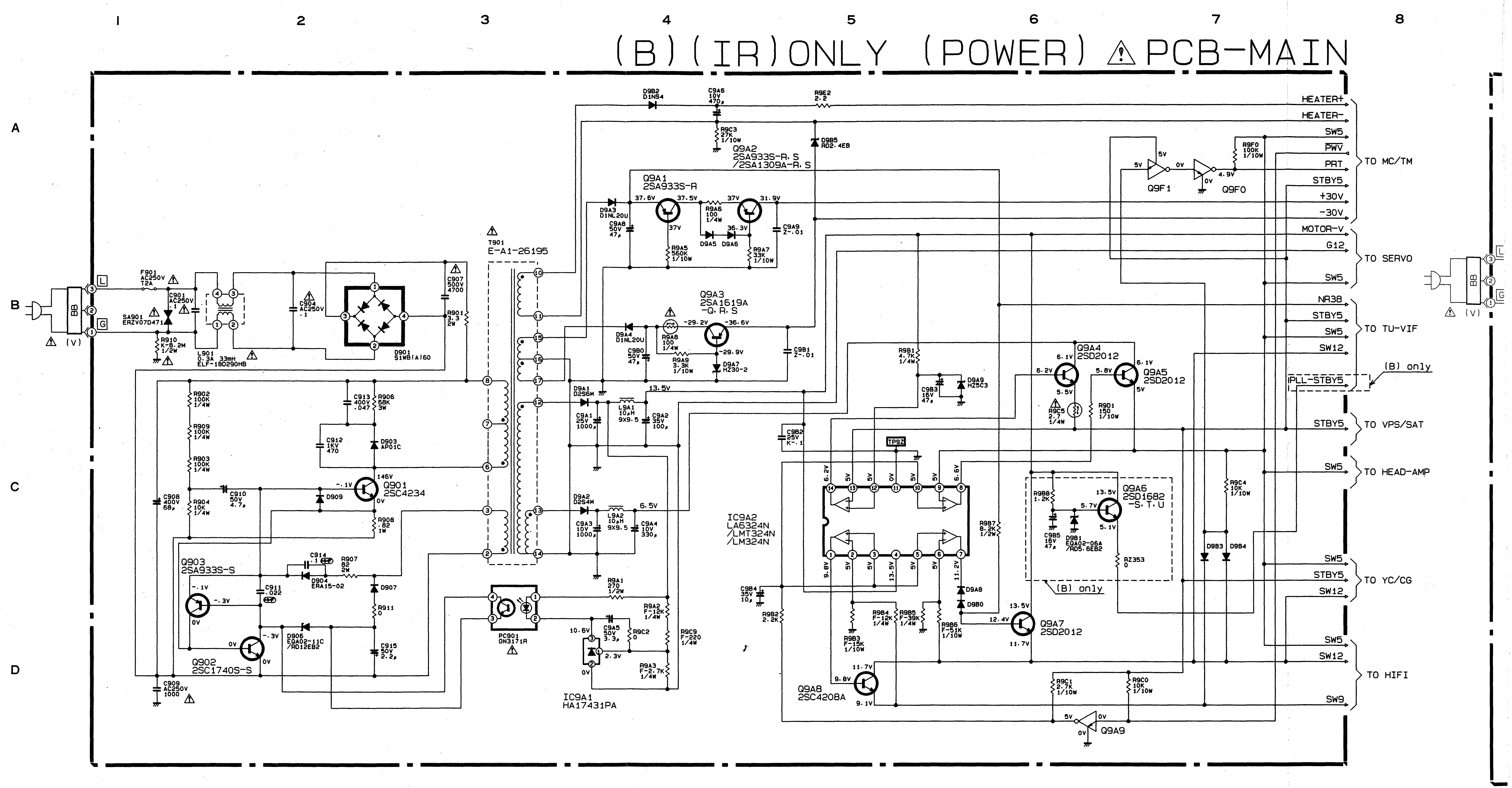

HE3 HE2 HE1
IC M56746SP
1/2Vcc
F/R
FG
REF
IC GND
CP OUT
I-LIMIT
Vcc (5V)
Vcc
GND

IC551 SDA5649/SDA5650


PD 1
PD 2/VCO 2
IREF
VCO 1
CVBS
VCS
DATA SYNC SLICER CLOCK-PLL
DATA ACQUISITION
I2C BUS INTERFACE
TIMING
SDA
SCL
CSO
VDD A
VDD D
VSS A
VSS D
DAVN
EHB
TI

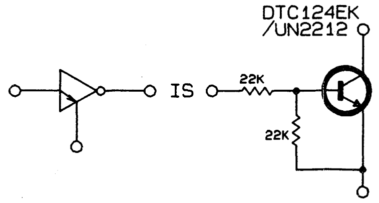


(B)(IR)ONLY (POWER) ⚠PCB-MAIN



1
2
3
4
5
6
7
8
A
B
C
D
BB
(V)
F901 AC250V T2A
SA901 ERZV07D471
C901 AC250V .1
R910 K-8.2M 1/2W
L901 0.3A 33mH ELF-18D290HB
C904 AC250V .1
D901 S1WB(A)60
C907 500V 4700
R901 3.3 2W
T901 E-A1-26195
R902 100K 1/4W
R909 100K 1/4W
R903 100K 1/4W
R904 10K 1/4W
C908 400V 68μ
C913 400V .047
R906 68K 3W
C912 1KV 470
D903 AP01C
C910 50V 4.7μ
D909
Q901 2SC4234
146V
R908 .82 1W
Q903 2SA933S-S
C911 .022
C914 .1
R907 82 2W
D904 ERA15-02
D907
R911 0
D906 EQA02-11C /RD12EB2
C915 50V 2.2μ
Q902 2SC1740S-S
C909 AC250V 1000
PC901 ON3171R
IC9A1 HA17431PA
C9A5 50V 3.3μ
R9C2 0
R9A1 270 1/2W
R9A2 F-12K 1/4W
R9A3 F-2.7K 1/4W
R9C9 F-220 1/4W
D9A1 D2S6M
C9A1 25V 1000μ
L9A1 10μH 9X9.5
C9A2 35V 100μ
13.5V
D9A2 D2S4M
C9A3 10V 1000μ
L9A2 10μH 9X9.5
C9A4 10V 330μ
6.5V
D9B2 D1NS4
C9A6 10V 470μ
R9E2 2.2
R9C3 27K 1/10W
D9B5 RD2.4EB
Q9A2 2SA933S-R,S /2SA1309A-R,S
Q9A1 2SA933S-R
D9A3 D1NL20U
C9A8 50V 47μ
R9A5 560K 1/10W
R9A6 100 1/4W
D9A5
D9A6
R9A7 33K 1/10W
C9A9 Z-.01
Q9A3 2SA1619A -Q,R,S
D9A4 D1NL20U
C9B0 50V 47μ
R9A8 100 1/4W
R9A9 3.3K 1/10W
D9A7 HZ30-2
C9B1 Z-.01
C9B2 25V K-.1
TP9Z
IC9A2 LA6324N /LMT324N /LM324N
C9B4 35V 10μ
R9B2 2.2K
R9B1 4.7K 1/4W
C9B3 16V 47μ
D9A9 HZ5C3
R9B3 F-15K 1/10W
R9B4 F-12K 1/4W
R9B5 F-39K 1/4W
R9B6 F-51K 1/10W
R9B7 8.2K 1/2W
D9A8
D9B0
Q9A7 2SD2012
Q9A8 2SC4208A
Q9A4 2SD2012
Q9A5 2SD2012
R9C5 2.7 1/4W
R9D1 150 1/10W
Q9A6 2SD1682 -S,T,U
R9B8 1.2K
C9B5 16V 47μ
D9B1 EQA02-06A /RD5.6EB2
RZ353 0
(B) only
R9C4 10K 1/10W
D9B3
D9B4
R9C1 2.7K 1/10W
R9C0 10K 1/10W
Q9A9
Q9F1
Q9F0
R9F0 100K 1/10W
HEATER+
HEATER-
SW5
PWV
PRT
STBY5
+30V
-30V
MOTOR-V
TO MC/TM
G12
SW5
TO SERVO
NR38
STBY5
SW5
SW12
TO TU-VIF
PLL-STBY5
(B) only
STBY5
TO VPS/SAT
SW5
TO HEAD-AMP
SW5
STBY5
SW12
TO YC/CG
SW5
SW12
SW9
TO HIFI

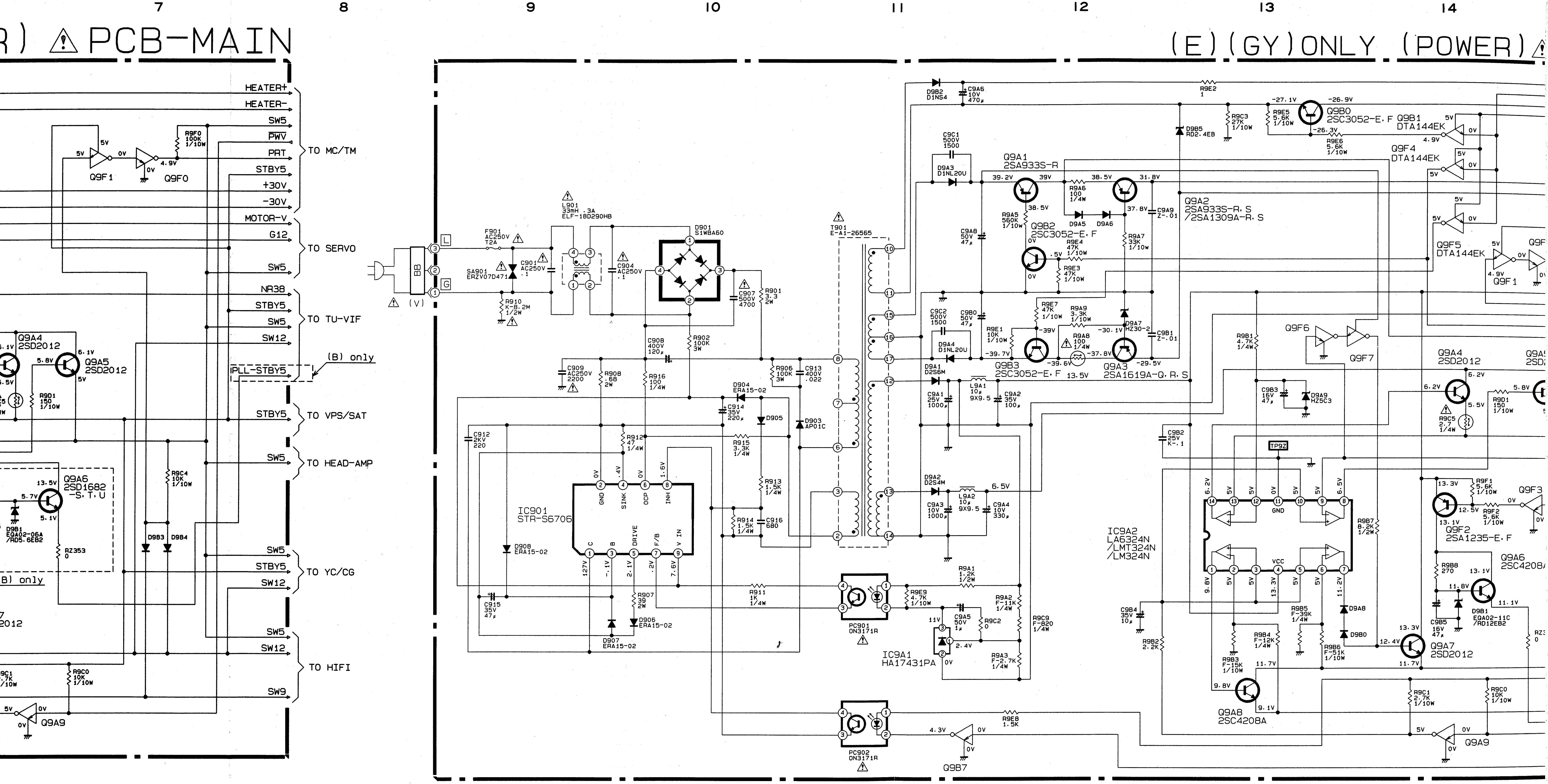
ALL DIODE ARE 1SS252/1SS131 UNLESS OTHERWISE SPECIFIED.



DTC124EK /UN2212
IS
22K
22K

R) ⚠PCB−MAIN

(E)(GY)ONLY (POWER)⚠


7
8
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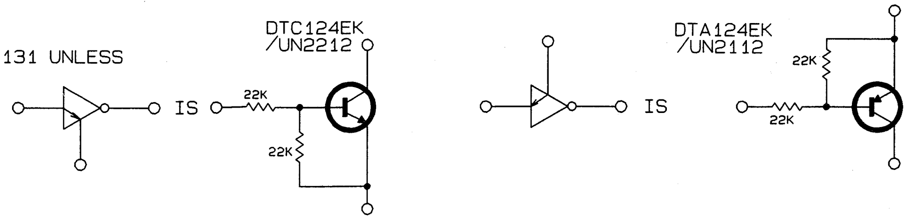
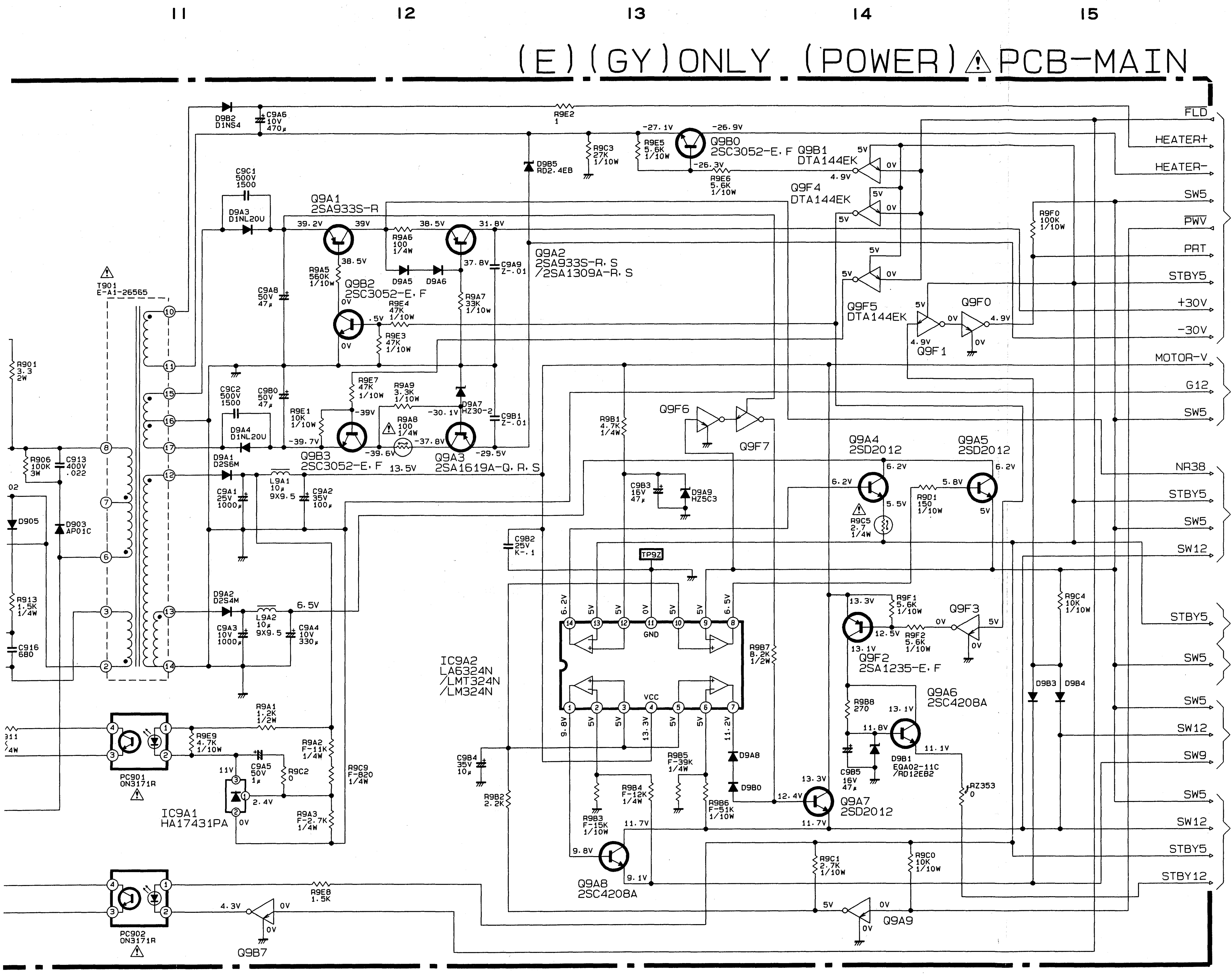
10
11
12
13
14
HEATER+
HEATER−
SW5
PWV
PRT
STBY5
+30V
−30V
TO MC/TM
MOTOR-V
G12
SW5
TO SERVO
NR38
STBY5
SW5
SW12
TO TU-VIF
PLL-STBY5
(B) only
STBY5
TO VPS/SAT
SW5
TO HEAD-AMP
SW5
STBY5
SW12
TO YC/CG
SW5
SW12
SW9
TO HIFI
Q9F1
Q9F0
R9F0 100K 1/10W
Q9A4 2SD2012
Q9A5 2SD2012
R9D1 150 1/10W
Q9A6 2SD1682 -S, T, U
D9B1 EQA02-06A /RD5.6EB2
RZ353 0
(B) only
D9B3
D9B4
R9C4 10K 1/10W
R9C1 2.7K 1/10W
R9C0 10K 1/10W
Q9A9
BB
(V)
L
G
F901 AC250V T2A
SA901 ERZV07D471
R910 K-8.2M 1/2W
C901 AC250V .1
L901 33mH .3A ELF-18D290HB
C904 AC250V .1
D901 S1WBA60
C907 500V 4700
R901 3.3 2W
R902 100K 3W
C908 400V 120μ
C909 AC250V 2200
R908 .68 2W
R916 100 1/4W
D904 ERA15-02
C914 35V 220μ
D905
D903 AP01C
R906 100K 3W
C913 400V .022
R912 47 1/4W
R915 3.3K 1/4W
R913 1.5K 1/4W
R914 1.5K 1/4W
C916 680
C912 2KV 220
IC901 STR-S6706
GND SINK OCP INH C B DRIVE F/B V IN
D908 ERA15-02
C915 35V 47μ
R907 39 2W
D906 ERA15-02
D907 ERA15-02
R911 1K 1/4W
PC901 ON3171R
PC902 ON3171R
T901 E-A1-26565
D9B2 D1NS4
C9A6 10V 470μ
C9C1 500V 1500
D9A3 D1NL20U
Q9A1 2SA933S-R
R9A6 100 1/4W
D9A5
D9A6
C9A9 Z-.01
Q9A2 2SA933S-R, S /2SA1309A-R, S
R9A5 560K 1/10W
Q9B2 2SC3052-E, F
C9A8 50V 47μ
R9E4 47K 1/10W
R9E3 47K 1/10W
R9A7 33K 1/10W
C9C2 500V 1500
C9B0 50V 47μ
D9A4 D1NL20U
R9E1 10K 1/10W
R9E7 47K 1/10W
R9A9 3.3K 1/10W
R9A8 100 1/4W
D9A7 HZ30-2
C9B1 Z-.01
Q9B3 2SC3052-E, F
Q9A3 2SA1619A-Q, R, S
D9A1 D2S6M
L9A1 10μ 9X9.5
C9A1 25V 1000μ
C9A2 35V 100μ
D9A2 D2S4M
L9A2 10μ 9X9.5
C9A3 10V 1000μ
C9A4 10V 330μ
R9A1 1.2K 1/2W
R9E9 4.7K 1/10W
C9A5 50V 1μ
R9C2 0
R9A2 F-11K 1/4W
R9C9 F-820 1/4W
R9A3 F-2.7K 1/4W
IC9A1 HA17431PA
R9E8 1.5K
Q9B7
R9E2 1
D9B5 RD2.4EB
R9C3 27K 1/10W
R9E5 5.6K 1/10W
Q9B0 2SC3052-E, F
R9E6 5.6K 1/10W
Q9B1 DTA144EK
Q9F4 DTA144EK
Q9F5 DTA144EK
Q9F1
Q9F6
Q9F7
R9B1 4.7K 1/4W
C9B3 16V 47μ
D9A9 HZ5C3
C9B2 25V K-.1
TP9Z
IC9A2 LA6324N /LMT324N /LM324N
GND
VCC
R9B7 8.2K 1/2W
C9B4 35V 10μ
R9B2 2.2K
R9B3 F-15K 1/10W
R9B4 F-12K 1/4W
R9B5 F-39K 1/4W
R9B6 F-51K 1/10W
D9A8
D9B0
Q9A8 2SC4208A
Q9A7 2SD2012
Q9A4 2SD2012
R9C5 2.7 1/4W
R9D1 150 1/10W
R9F1 5.6K 1/10W
R9F2 5.6K 1/10W
Q9F2 2SA1235-E, F
Q9F3
R9B8 270
C9B5 16V 47μ
D9B1 EQA02-11C /RD12EB2
Q9A6 2SC4208
R9C1 2.7K 1/10W
R9C0 10K 1/10W
Q9A9

ALL DIODE ARE 1SS252/1SS131 UNLESS
OTHERWISE SPECIFIED.


IS
DTC124EK
/UN2212
22K
22K
IS
DTA124EK
/UN2112
22K
22K

(E)(GY)ONLY (POWER) ⚠PCB-MAIN



11
12
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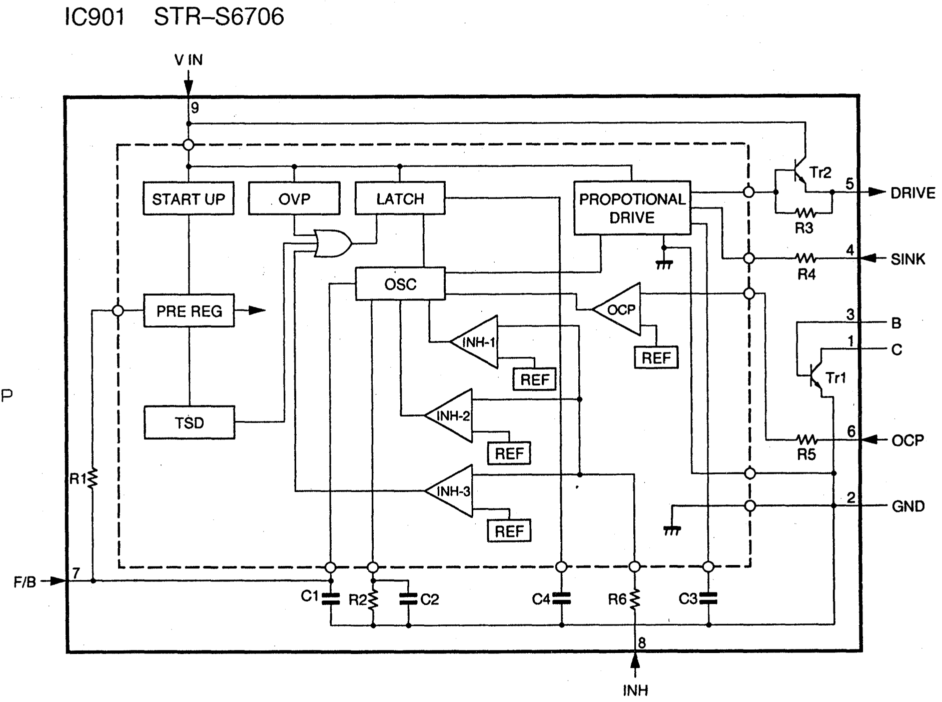
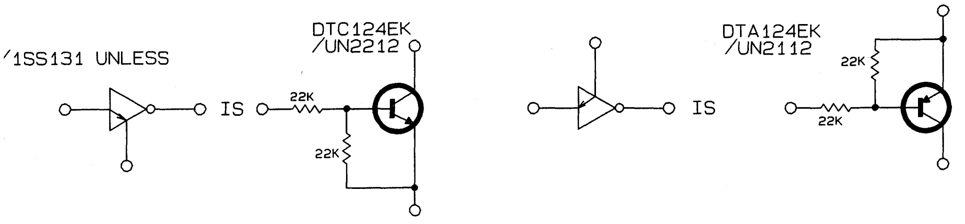
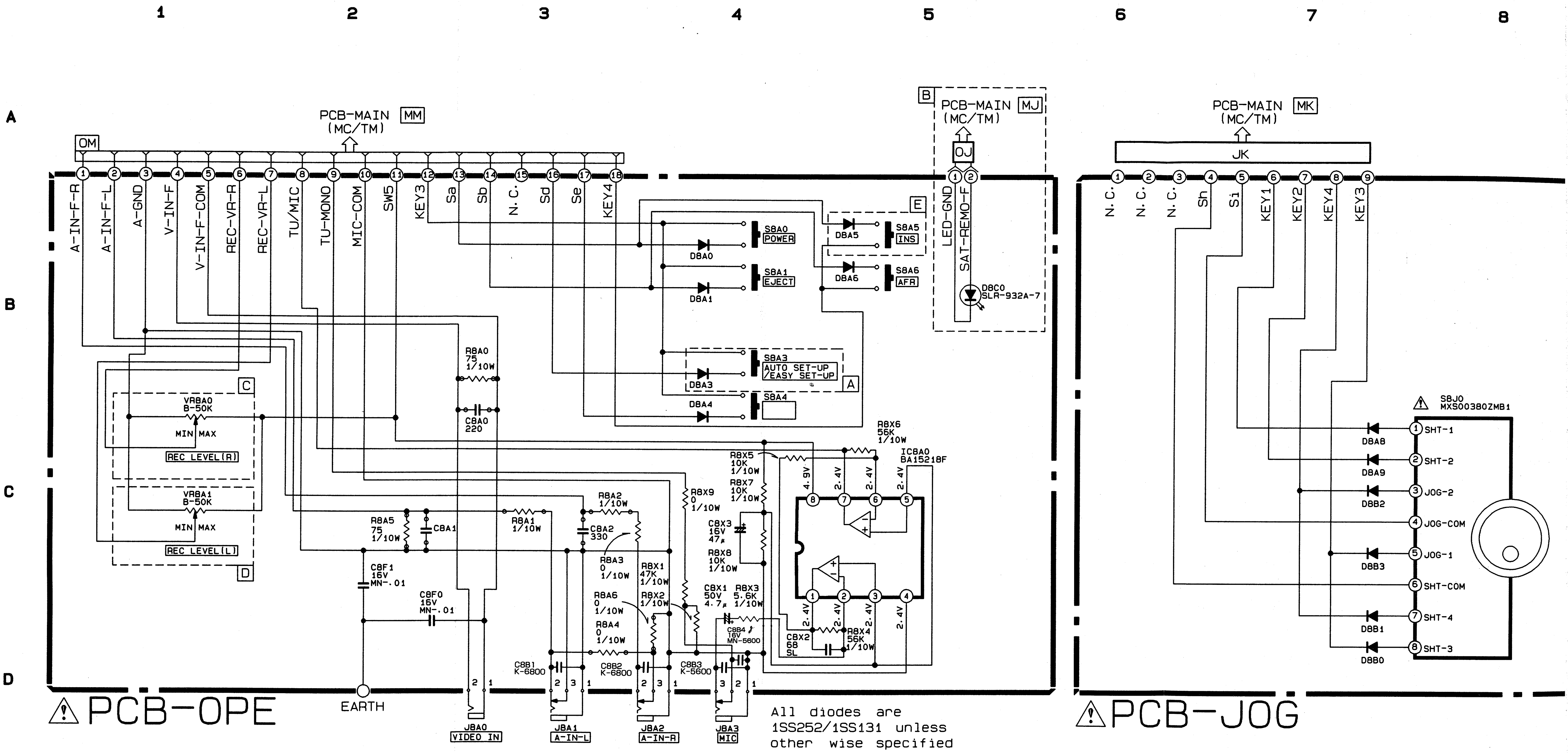
17
18
T901
E-A1-26565
R901 3.3 2W
R906 100K 3W
C913 400V .022
D905
D903 AP01C
R913 1.5K 1/4W
C916 680
D9B2 D1NS4
C9A6 10V 470μ
C9C1 500V 1500
D9A3 D1NL20U
Q9A1 2SA933S-R
R9A5 560K 1/10W
R9A6 100 1/4W
D9A5
D9A6
C9A8 50V 47μ
Q9B2 2SC3052-E, F
R9E4 47K 1/10W
R9E3 47K 1/10W
R9A7 33K 1/10W
C9A9 Z-.01
Q9A2 2SA933S-R, S /2SA1309A-R, S
R9E2 1
R9C3 27K 1/10W
R9E5 5.6K 1/10W
D9B5 RD2.4EB
Q9B0 2SC3052-E, F
Q9B1 DTA144EK
R9E6 5.6K 1/10W
Q9F4 DTA144EK
Q9F5 DTA144EK
Q9F0
Q9F1
R9F0 100K 1/10W
C9C2 500V 1500
C9B0 50V 47μ
D9A4 D1NL20U
R9E7 47K 1/10W
R9A9 3.3K 1/10W
R9E1 10K 1/10W
R9A8 100 1/4W
D9A7 HZ30-2
C9B1 Z-.01
Q9B3 2SC3052-E, F
Q9A3 2SA1619A-Q, R, S
D9A1 D2S6M
L9A1 10μ 9X9.5
C9A1 25V 1000μ
C9A2 35V 100μ
D9A2 D2S4M
L9A2 10μ 9X9.5
C9A3 10V 1000μ
C9A4 10V 330μ
R9B1 4.7K 1/4W
Q9F6
Q9F7
C9B3 16V 47μ
D9A9 HZ5C3
C9B2 25V K-.1
TP9Z
Q9A4 2SD2012
Q9A5 2SD2012
R9D1 150 1/10W
R9C5 2.7 1/4W
R9B7 8.2K 1/2W
IC9A2 LA6324N /LMT324N /LM324N
GND
VCC
Q9F2 2SA1235-E, F
R9F1 5.6K 1/10W
R9F2 5.6K 1/10W
Q9F3
Q9A6 2SC4208A
R9B8 270
C9B5 16V 47μ
D9B1 EQA02-11C /RD12EB2
RZ353 0
R9C4 10K 1/10W
D9B3
D9B4
C9B4 35V 10μ
R9B2 2.2K
R9B5 F-39K 1/4W
R9B4 F-12K 1/4W
R9B3 F-15K 1/10W
R9B6 F-51K 1/10W
D9A8
D9B0
Q9A7 2SD2012
Q9A8 2SC4208A
R9C1 2.7K 1/10W
R9C0 10K 1/10W
Q9A9
PC901 ON3171R
R9E9 4.7K 1/10W
R9A1 1.2K 1/2W
C9A5 50V 1μ
R9C2 0
R9A2 F-11K 1/4W
R9C9 F-820 1/4W
R9A3 F-2.7K 1/4W
IC9A1 HA17431PA
PC902 ON3171R
R9E8 1.5K
Q9B7
FLD
HEATER+
HEATER-
SW5
PWV
PRT
STBY5
+30V
-30V
TO MC/TM
MOTOR-V
G12
SW5
TO SERVO
NR38
STBY5
SW5
SW12
TO TU-VIF
STBY5
TO VPS/SAT
SW5
TO HEAD-AMP
SW5
SW12
SW9
TO HIFI
SW5
SW12
STBY5
STBY12
TO YC/CG



IC901 STR-S6706
VIN
START UP
OVP
LATCH
PROPOTIONAL DRIVE
PRE REG
OSC
OCP
REF
INH-1
INH-2
INH-3
TSD
Tr2
Tr1
R1
R2
R3
R4
R5
R6
C1
C2
C3
C4
DRIVE
SINK
B
C
OCP
GND
F/B
INH



/1SS131 UNLESS
IS
DTC124EK /UN2212
22K
22K
IS
DTA124EK /UN2112
22K
22K

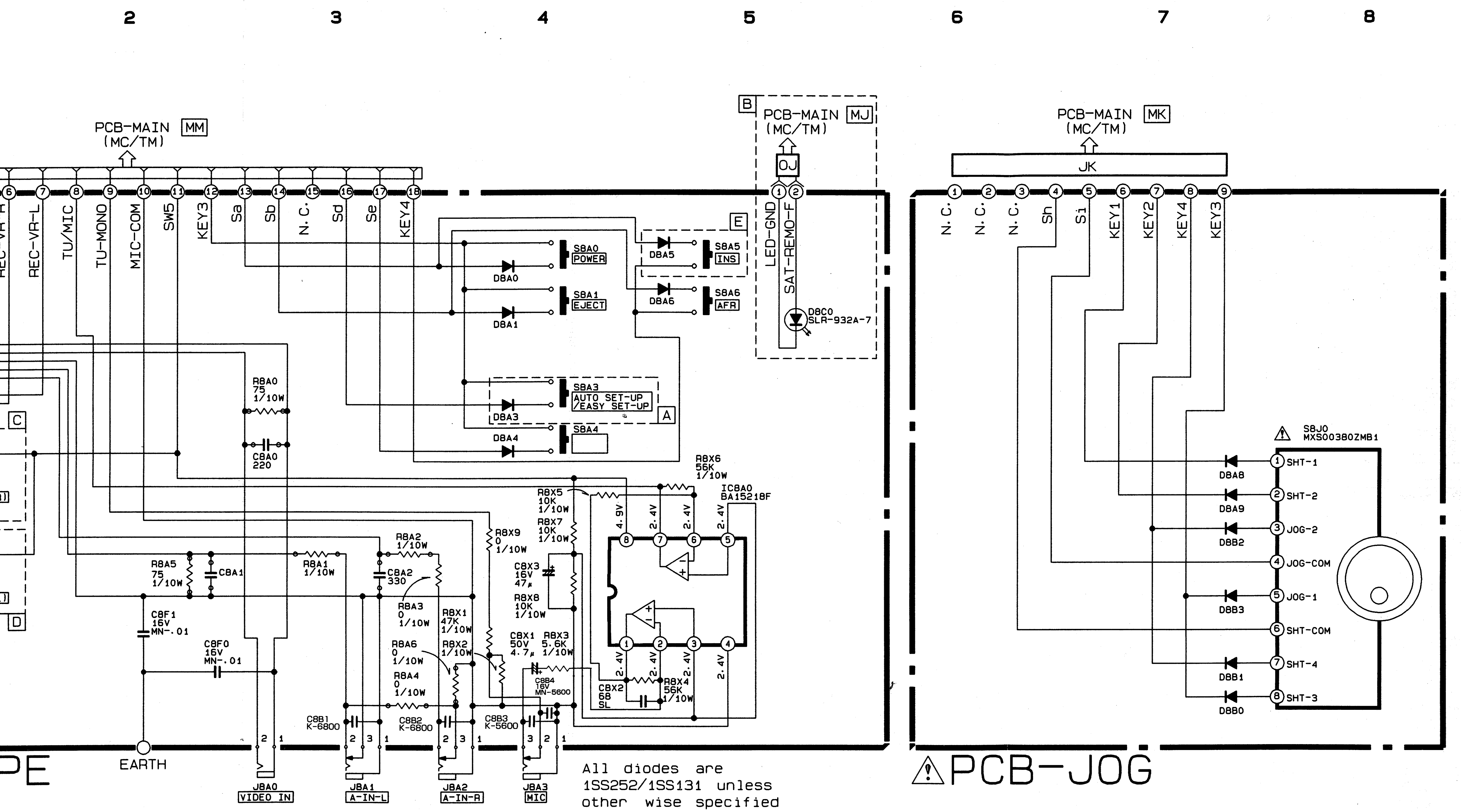

1
2
3
4
5
6
7
8
A
B
C
D
PCB-MAIN MM
(MC/TM)
OM
① A-IN-F-R
② A-IN-F-L
③ A-GND
④ V-IN-F
⑤ V-IN-F-COM
⑥ REC-VR-R
⑦ REC-VR-L
⑧ TU/MIC
⑨ TU-MONO
⑩ MIC-COM
⑪ SW5
⑫ KEY3
⑬ Sa
⑭ Sb
⑮ N.C.
⑯ Sd
⑰ Se
⑱ KEY4
S8A0 POWER
D8A0
S8A1 EJECT
D8A1
E
D8A5
S8A5 INS
D8A6
S8A6 AFR
S8A3 AUTO SET-UP /EASY SET-UP
D8A3
A
D8A4
S8A4
B
PCB-MAIN MJ
(MC/TM)
OJ
① LED-GND
② SAT-REMO-F
D8C0 SLR-932A-7
R8A0 75 1/10W
C8A0 220
C
VR8A0 B-50K
MIN MAX
REC LEVEL(R)
VR8A1 B-50K
MIN MAX
REC LEVEL(L)
D
R8A5 75 1/10W
C8A1
R8A1 1/10W
R8A2 1/10W
C8A2 330
R8A3 0 1/10W
R8X1 47K 1/10W
R8X9 0 1/10W
R8A6 0 1/10W
R8X2 1/10W
R8A4 0 1/10W
C8F1 16V MN-.01
C8F0 16V MN-.01
C8B1 K-6800
C8B2 K-6800
C8B3 K-5600
C8X3 16V 47μ
R8X5 10K 1/10W
R8X7 10K 1/10W
R8X8 10K 1/10W
C8X1 50V 4.7μ
R8X3 5.6K 1/10W
C8B4 16V MN-5600
C8X2 68 SL
R8X4 56K 1/10W
R8X6 56K 1/10W
IC8A0 BA15218F
4.9V
2.4V
EARTH
J8A0 VIDEO IN
J8A1 A-IN-L
J8A2 A-IN-R
J8A3 MIC
PCB-OPE
PCB-MAIN MK
(MC/TM)
JK
① N.C.
② N.C.
③ N.C.
④ Sh
⑤ Si
⑥ KEY1
⑦ KEY2
⑧ KEY4
⑨ KEY3
S8J0 MXS00380ZMB1
① SHT-1
② SHT-2
③ JOG-2
④ JOG-COM
⑤ JOG-1
⑥ SHT-COM
⑦ SHT-4
⑧ SHT-3
D8A8
D8A9
D8B2
D8B3
D8B1
D8B0
PCB-JOG

All diodes are
1SS252/1SS131 unless
other wise specified

○ :Employed ✕ :Not employed

SYMBOL	C8A0 C-3	C8A1 C-2	R8A1 C-3	A B-4	B A-5	S8A4 B-4	C B-1	D C-1	R8A2 C-3	C8A2 C-3	R8X2 D-4	E A-5	R8A4 D-3	R8A0 B-3	R8A5 C-2	R8A6 D-3
HS-761V(B)	○	330	1K	○	○	COUNTER-RESET	○	○	1K	○	270	○	○	○	✕	✕
HS-761V(GY)	○	330	1K	○	✕	POWER-SAVE	○	○	1K	○	330	○	○	○	✕	✕
HS-761V(E)	○	330	1K	○	✕	POWER-SAVE	✕	✕	1K	○	270	○	○	○	✕	✕
HS-761V (IR)	○	330	1K	○	○	COUNTER-RESET	✕	✕	1K	○	270	○	○	○	✕	✕

E

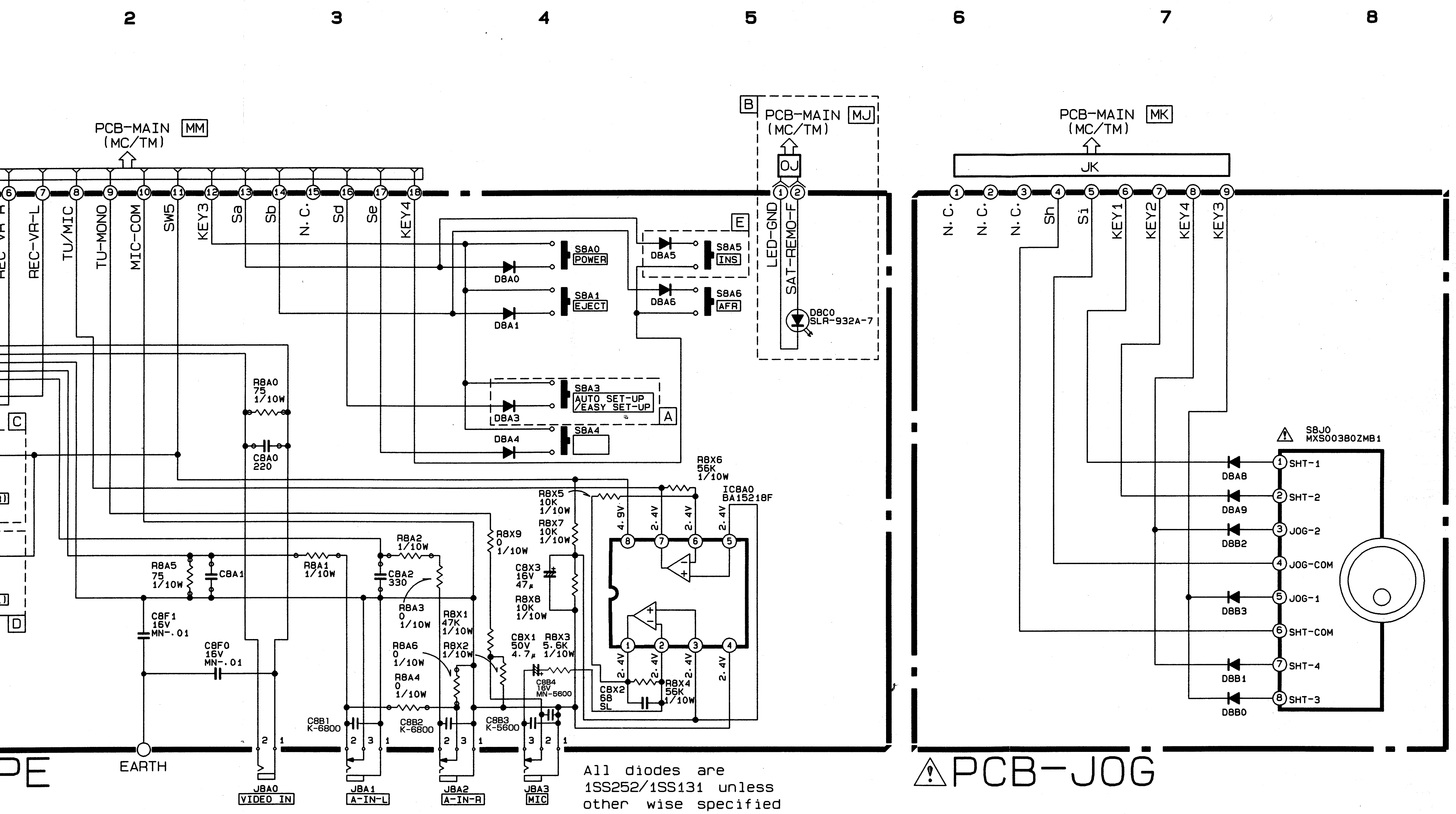

2
3
4
5
6
7
8
PCB-MAIN MM (MC/TM)
REC-VR-L
TU/MIC
TU-MONO
MIC-COM
SW5
KEY3
Sa
Sb
N.C.
Sd
Se
KEY4
S8A0 POWER
S8A1 EJECT
S8A3 AUTO SET-UP /EASY SET-UP
S8A4
S8A5 INS
S8A6 AFR
D8A0
D8A1
D8A3
D8A4
D8A5
D8A6
B
PCB-MAIN MJ (MC/TM)
OJ
LED-GND
SAT-REMO-F
D8C0 SLR-932A-7
E
A
C
D
R8A0 75 1/10W
C8A0 220
R8A5 75 1/10W
C8A1
C8F1 16V MN-.01
C8F0 16V MN-.01
R8A1 1/10W
R8A2 1/10W
C8A2 330
R8A3 0 1/10W
R8A6 0 1/10W
R8A4 0 1/10W
R8X1 47K 1/10W
R8X2 1/10W
R8X9 0 1/10W
C8X3 16V 47μ
R8X8 10K 1/10W
R8X5 10K 1/10W
R8X7 10K 1/10W
R8X6 56K 1/10W
IC8A0 BA15218F
4.9V
2.4V
C8X1 50V 4.7μ
R8X3 5.6K 1/10W
C8B4 16V MN-5600
C8X2 68 SL
R8X4 56K 1/10W
C8B1 K-6800
C8B2 K-6800
C8B3 K-5600
EARTH
J8A0 VIDEO IN
J8A1 A-IN-L
J8A2 A-IN-R
J8A3 MIC
PE
PCB-MAIN MK (MC/TM)
JK
N.C.
Sh
Si
KEY1
KEY2
KEY4
KEY3
S8J0 MXS00380ZMB1
SHT-1
SHT-2
JOG-2
JOG-COM
JOG-1
SHT-COM
SHT-4
SHT-3
D8A8
D8A9
D8B2
D8B3
D8B1
D8B0

All diodes are 1SS252/1SS131 unless other wise specified

⚠PCB-JOG

t employed

A B-4	B A-5	S8A4 B-4	C B-1	D C-1	R8A2 C-3	C8A2 C-3	R8X2 D-4	E A-5	R8A4 D-3	R8A0 B-3	R8A5 C-2	R8A6 D-3
○	○	COUNTER-RESET	○	○	1K	○	270	○	○	○	×	×
○	×	POWER-SAVE	○	○	1K	○	330	○	○	○	×	×
○	×	POWER-SAVE	×	×	1K	○	270	○	○	○	×	×
○	○	COUNTER-RESET	×	×	1K	○	270	○	○	○	×	×

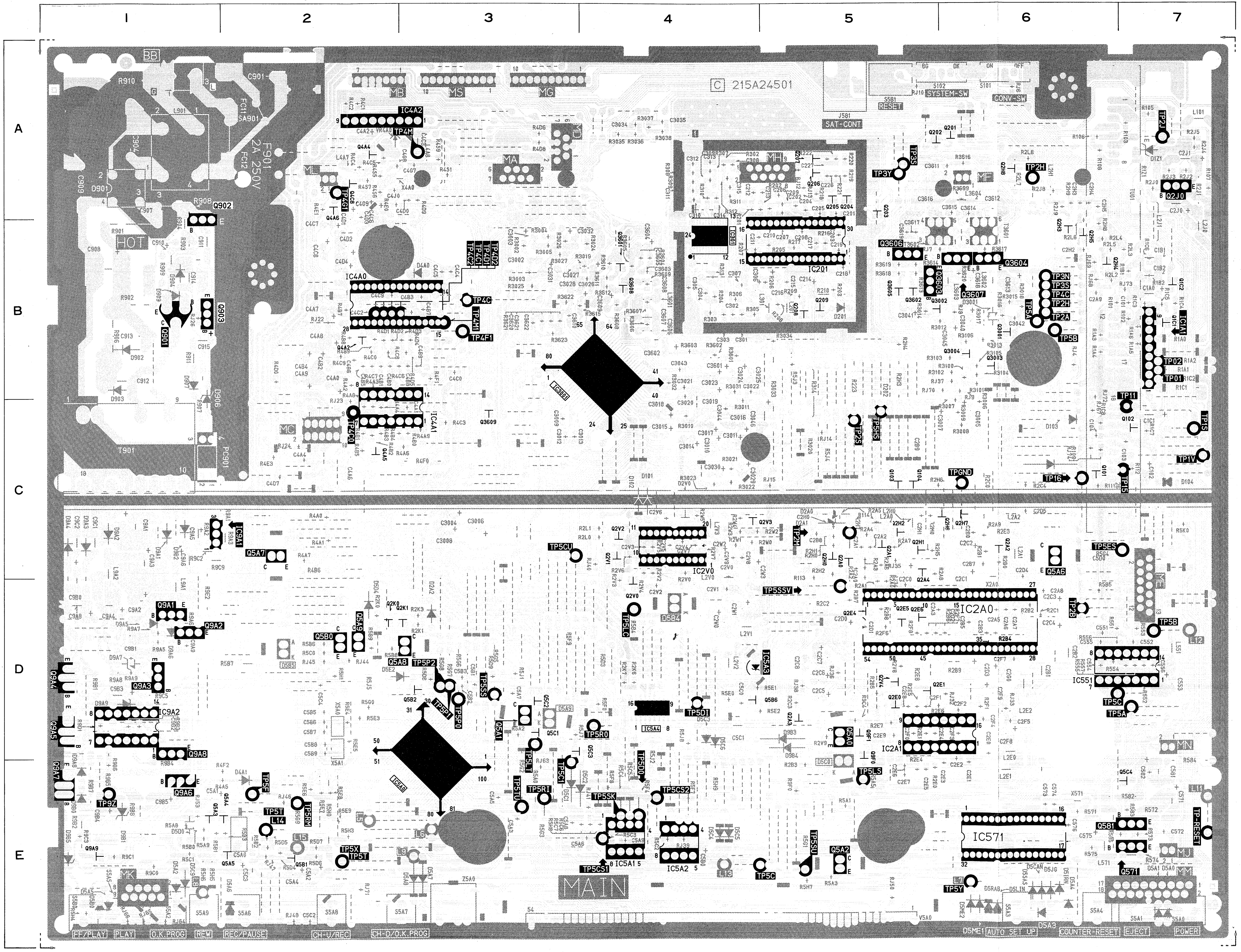

2
3
4
5
6
7
8
PCB-MAIN MM
(MC/TM)
REC-VR-L
TU/MIC
TU-MONO
MIC-COM
SW5
KEY3
Sa
Sb
N.C.
Sd
Se
KEY4
B
PCB-MAIN MJ
(MC/TM)
OJ
LED-GND
SAT-REMO-F
D8C0
SLR-932A-7
E
S8A0
POWER
D8A0
S8A1
EJECT
D8A1
S8A5
INS
D8A5
S8A6
AFR
D8A6
S8A3
AUTO SET-UP
/EASY SET-UP
D8A3
A
S8A4
D8A4
R8A0
75
1/10W
C8A0
220
C
D
R8A5
75
1/10W
C8A1
C8F1
16V
MN-.01
C8F0
16V
MN-.01
R8A1
1/10W
R8A2
1/10W
C8A2
330
R8A3
0
1/10W
R8A6
0
1/10W
R8A4
0
1/10W
R8X1
47K
1/10W
R8X2
1/10W
R8X9
0
1/10W
R8X5
10K
1/10W
R8X7
10K
1/10W
C8X3
16V
47μ
R8X8
10K
1/10W
C8X1
50V
4.7μ
R8X3
5.6K
1/10W
C8B4
16V
MN-5600
C8X2
68
SL
R8X4
56K
1/10W
R8X6
56K
1/10W
IC8A0
BA15218F
4.9V
2.4V
2.4V
2.4V
2.4V
2.4V
2.4V
2.4V
C8B1
K-6800
C8B2
K-6800
C8B3
K-5600
EARTH
J8A0
VIDEO IN
J8A1
A-IN-L
J8A2
A-IN-R
J8A3
MIC
PE
PCB-MAIN MK
(MC/TM)
JK
N.C.
N.C.
N.C.
Sh
Si
KEY1
KEY2
KEY4
KEY3
S8J0
MXS00380ZMB1
SHT-1
SHT-2
JOG-2
JOG-COM
JOG-1
SHT-COM
SHT-4
SHT-3
D8A8
D8A9
D8B2
D8B3
D8B1
D8B0
⚠PCB-JOG

All diodes are
1SS252/1SS131 unless
other wise specified

t employed

A -4	B A-5	S8A4 B-4	C B-1	D C-1	R8A2 C-3	C8A2 C-3	R8X2 D-4	E A-5	R8A4 D-3	R8A0 B-3	R8A5 C-2	R8A6 D-3
○	○	COUNTER-RESET	○	○	1K	○	270	○	○	○	×	×
○	×	POWER-SAVE	○	○	1K	○	330	○	○	○	×	×
○	×	POWER-SAVE	×	×	1K	○	270	○	○	○	×	×
○	○	COUNTER-RESET	×	×	1K	○	270	○	○	○	×	×

PCB-MAIN (HS-761V(B)/V(IR))


1
2
3
4
5
6
7
A
B
C
D
E
BB
F901
2A 250V
HOT
T901
PC901
MB
MS
MG
MD
MA
ML
MC
MH
MF
ME
MN
MU
MM
MK
215A24501
S102 SYSTEM-SW
S101 CONV-SW
S581 RESET
J581 SAT-CONT
IC4A2
IC4A0
IC4A1
IC301
IC201
IC2V0
IC2A0
IC2A1
IC551
IC9A1
IC9A2
IC5A0
IC5A1
IC5A2
IC5A3
IC5A4
IC571
IC1A1
MAIN
FF/PLAY
PLAY
O.K.PROG
REW
REC/PAUSE
CH-U/REC
CH-D/O.K.PROG
AUTO SET UP
COUNTER-RESET
EJECT
POWER

PCB-MAIN (HS-761V(B)/V(IR))

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRE
BB	A- 1	C2D2	D- 6
		C2D3	D- 6
C101	B- 7	C2D4	D- 6
C102	C- 7	C2D5	C- 6
C103	C- 7	C2E0	E- 6
C104	C- 6	C2E1	E- 6
C1A0	B- 7	C2E2	E- 6
C1B1	B- 7	C2E3	E- 6
C1B2	B- 7	C2E4	D- 6
C1C1	C- 7	C2E5	E- 5
C201	B- 5	C2E6	E- 5
C202	A- 5	C2E7	E- 5
C203	B- 5	C2E8	D- 5
C204	B- 5	C2E9	D- 5
C205	B- 5	C2F0	D- 5
C206	A- 5	C2F1	D- 5
C207	B- 5	C2F2	D- 6
C208	B- 5	C2F3	D- 6
C209	A- 5	C2F4	D- 6
C210	B- 5	C2F5	D- 6
C211	B- 5	C2F7	D- 6
C212	A- 5	C2F8	D- 6
C213	A- 5	C2F9	D- 6
C214	B- 5	C2G0	D- 6
C215	B- 5	C2H0	C- 5
C216	B- 5	C2H1	C- 5
C217	B- 5	C2H2	B- 6
C218	B- 5	C2H3	A- 6
C219	B- 5	C2H4	A- 6
C226	A- 5	C2H5	A- 6
C227	A- 5	C2J0	A- 7
C2A0	D- 5	C2J1	A- 7
C2A1	C- 5	C2V0	D- 4
C2A2	C- 5	C2V1	D- 4
C2A3	D- 6	C2V2	D- 4
C2A5	D- 6	C2V3	C- 4
C2A6	D- 6	C2V4	C- 4
C2A7	D- 6	C2V5	C- 4
C2A8	D- 6	C2V6	C- 4
C2A9	B- 6	C2V7	C- 4
C2B0	C- 6	C2V8	C- 4
C2B1	D- 6	C2V9	C- 4
C2B2	D- 6	C2W0	D- 4
C2B3	D- 6	C2W1	D- 4
C2B4	D- 6	C2W2	C- 4
C2B5	D- 6	C2W3	C- 5
C2B7	C- 6	C3002	B- 3
C2B8	C- 5	C3003	B- 3
C2B9	C- 5	C3004	C- 3
C2C0	D- 5	C3005	C- 6
C2C1	D- 6	C3006	C- 3
C2C2	C- 6	C3007	C- 6
C2C3	D- 6	C3008	C- 3
C2C4	D- 6	C3009	C- 3
C2C5	D- 5	C301	B- 4
C2C6	D- 5	C3010	C- 4
C2C7	D- 5	C3011	C- 4
C2C8	D- 5	C3012	C- 3
C2D0	D- 5	C3013	C- 4
C2D1	D- 5	C3014	C- 4

SYMBOL NO.	ADDRESS
C3620	B- 3
C3621	B- 3
C3622	B- 3
C4A0	B- 2
C4A1	C- 3
C4A2	A- 2
C4A4	C- 2
C4A6	C- 2
C4A7	B- 2
C4A8	B- 2
C4A9	B- 2
C4B0	B- 3
C4B1	B- 2
C4B2	B- 2
C4B3	B- 3
C4B4	B- 2
C4B5	B- 2
C4B6	B- 2
C4B7	B- 3
C4B8	B- 3
C4B9	B- 3
C4C0	B- 3
C4C2	B- 3
C4C3	A- 3
C4C4	B- 3
C4C5	B- 3
C4C6	A- 2
C4C7	B- 2
C4C8	B- 2
C4C9	B- 3
C4D0	A- 3
C4D1	B- 2
C4D2	B- 2
C4D3	B- 2
C4D4	B- 2
C4D7	C- 2
C4G7	A- 3
C4G8	A- 3
C4G9	A- 2
C4J0	A- 3
C551	D- 6
C552	D- 7
C553	D- 7
C554	D- 6
C555	D- 6
C556	D- 7
C571	E- 7
C572	E- 7
C573	E- 6
C574	E- 6
C575	E- 6
C576	E- 6
C581	E- 7
C582	E- 7
C5A0	E- 2
C5A1	E- 2
C5A2	E- 2
C5A3	E- 3
C5A4	E- 2
C5A5	E- 3

SYMBOL NO.	ADDRESS
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
C5B6	D- 2
C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	A- 1
C908	B- 1
C909	A- 1
C910	B- 1
C911	B- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
C9A8	D- 1
C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3

SYMBOL NO.	ADDRESS
D4A1	E- 2
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	A- 1
D902	B- 1
D903	B- 1
D904	B- 1
D906	B- 1
D907	C- 1
D909	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
D9B0	E- 1
D9B1	E- 1
D9B2	C- 1
D9B3	D- 5
D9B4	D- 5
D9B5	E- 1
F901	A- 2
FC11	A- 2
FC12	A- 2

SYMBOL NO.	ADDRESS
IC1A1	B- 7
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2J1	A- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1

SYMBOL NO.	ADDRESS
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5
Q3001	B- 6

SYMBOL NO.	ADDRESS
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q901	B- 1
Q902	B- 1
Q903	B- 1
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9F0	E- 5
Q9F1	D- 5
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6

SYMBOL NO.	ADDRESS
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
R201	B- 5
R202	B- 5
R203	B- 5
R205	B- 5
R206	B- 5
R207	B- 5
R208	B- 5
R209	B- 5
R210	B- 5
R216	B- 5
R217	B- 5
R218	A- 5
R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
R2A1	D- 5
R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6
R2B3	E- 5
R2B4	D- 6
R2B5	D- 5
R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6

SYMBOL NO.	ADDRESS
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4

SYMBOL NO.	ADDRESS
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6
R3105	B- 6
R3106	B- 6
R311	A- 4
R312	A- 4
R313	B- 4
R314	B- 5
R3601	B- 4
R3602	B- 4

SYMBOL NO.	ADDRESS
R3603	B- 4
R3604	B- 4
R3605	B- 4
R3606	B- 4
R3607	B- 4
R3608	B- 4
R3609	B- 4
R3610	B- 4
R3611	B- 4
R3612	B- 4
R3613	B- 5
R3614	B- 5
R3615	B- 4
R3616	A- 6
R3617	B- 6
R3618	B- 5
R3619	B- 5
R3620	B- 6
R3621	B- 3
R3622	B- 3
R3623	B- 3
R3699	A- 6
R4A0	C- 2
R4A1	C- 2
R4A2	B- 2
R4A3	C- 2
R4A4	C- 2
R4A5	E- 2
R4A6	C- 3
R4A7	C- 2
R4A8	C- 2
R4A9	C- 3
R4B0	C- 3
R4B1	C- 2
R4B2	C- 2
R4B3	C- 2
R4B4	C- 3
R4B5	C- 2
R4B6	C- 2
R4B7	B- 2
R4B8	B- 2
R4B9	B- 2
R4C0	B- 2
R4C1	A- 2
R4C2	A- 2
R4C3	C- 3
R4C4	A- 2
R4C5	A- 2
R4C6	B- 3
R4C7	B- 2
R4C8	B- 2
R4C9	B- 2
R4D0	B- 2
R4D1	B- 2
R4D2	B- 3
R4D3	B- 3
R4D4	B- 3
R4D5	B- 3
R4D6	A- 3
R4D8	A- 3

SYMBOL NO.	ADDRESS
R4D9	A- 3
R4E0	A- 3
R4E1	B- 2
R4E2	C- 2
R4E3	C- 2
R4F0	C- 3
R4F1	B- 3
R4F2	E- 2
R4S1	A- 3
R4S5	A- 2
R4S6	A- 2
R4S7	A- 2
R4S9	A- 3
R551	D- 7
R552	D- 7
R553	D- 7
R554	D- 7
R555	D- 7
R556	D- 7
R557	D- 7
R571	E- 6
R572	E- 7
R573	E- 7
R574	E- 7
R575	E- 6
R582	E- 7
R583	E- 7
R584	E- 7
R585	E- 7
R5A0	E- 3
R5A1	E- 5
R5A2	D- 3
R5A3	E- 5
R5A5	E- 5
R5A8	E- 1
R5A9	E- 1
R5B0	E- 1
R5B1	E- 2
R5B2	E- 2
R5B3	E- 2
R5B4	D- 4
R5B5	D- 6
R5B6	D- 2
R5B7	D- 2
R5B8	D- 3
R5B9	D- 2
R5C0	D- 2
R5C1	E- 1
R5C2	E- 4
R5C3	E- 4
R5C4	E- 4
R5C5	E- 4
R5C6	E- 4
R5C7	E- 4
R5D3	D- 4
R5D4	E- 2
R5D5	E- 2
R5D6	E- 2
R5D7	E- 2
R5D8	D- 3

SYMBOL NO.	ADDRESS
R5D9	D- 3
R5E0	D- 4
R5E1	D- 5
R5E2	D- 5
R5E3	D- 2
R5E4	D- 2
R5E5	D- 2
R5E6	E- 2
R5E7	E- 2
R5E8	E- 2
R5E9	E- 2
R5F0	D- 4
R5F4	E- 4
R5F7	E- 4
R5F8	E- 4
R5F9	D- 4
R5G0	D- 2
R5G1	E- 5
R5G2	E- 3
R5G3	E- 3
R5G4	C- 7
R5G5	D- 3
R5G6	D- 3
R5G7	D- 3
R5G8	D- 3
R5G9	E- 2
R5H0	E- 2
R5H1	D- 2
R5H3	E- 2
R5H4	E- 1
R5H5	E- 1
R5H6	E- 1
R5H7	E- 5
R5H8	E- 4
R5H9	E- 4
R5J1	D- 3
R5J2	E- 4
R5J3	B- 5
R5J4	C- 5
R5J5	D- 2
R5J7	D- 4
R5J8	D- 4
R5K0	C- 7
R901	B- 1
R902	B- 1
R903	B- 1
R904	B- 1
R906	B- 1
R907	C- 1
R908	B- 1
R909	B- 1
R910	A- 1
R911	B- 1
R9A1	C- 2
R9A2	C- 1
R9A3	C- 2
R9A5	D- 1
R9A6	D- 1
R9A7	D- 1
R9A8	D- 1

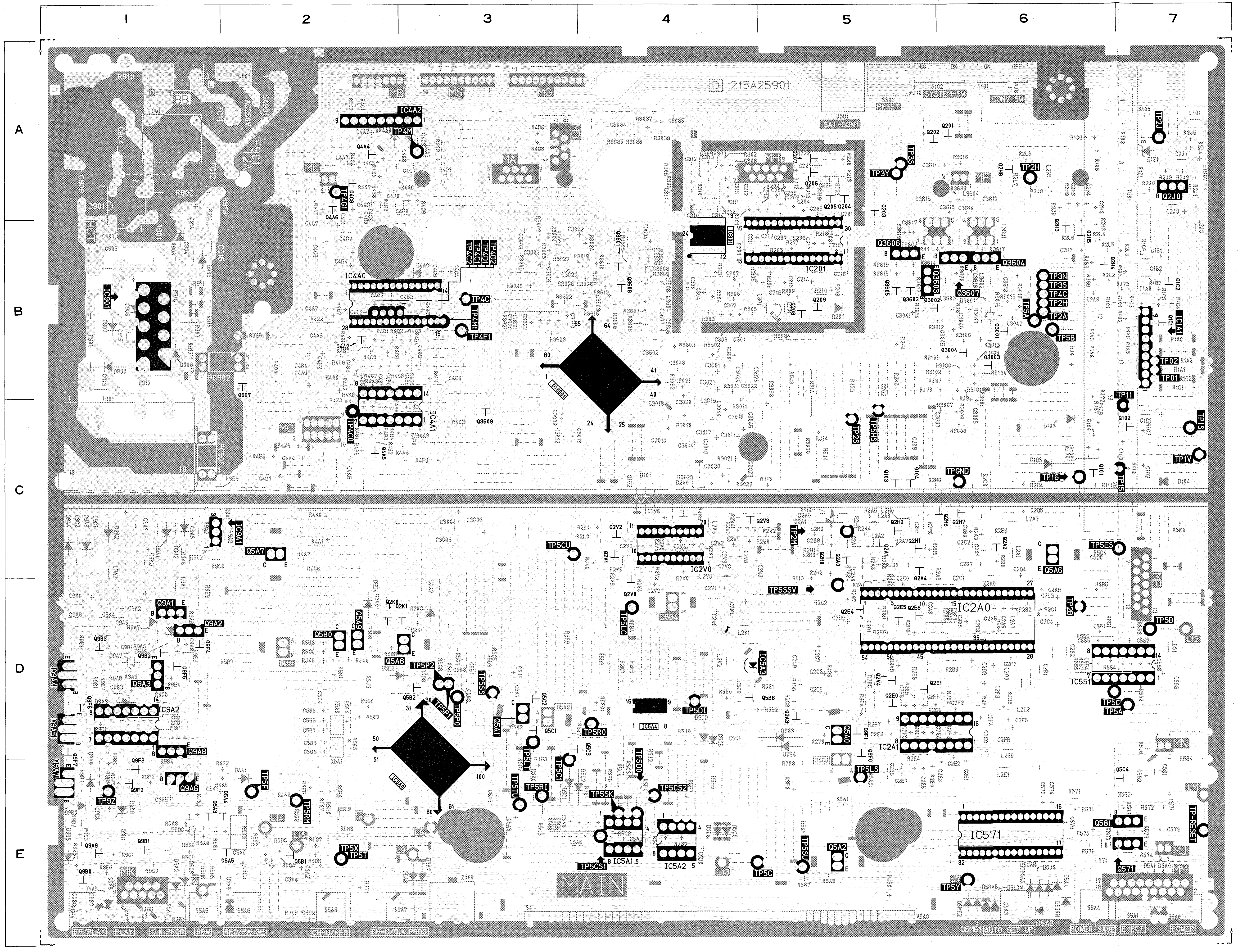
SYMBOL NO.	ADDRESS
R9A9	D- 1
R9B1	D- 1
R9B2	E- 1
R9B3	D- 1
R9B4	E- 1
R9B5	E- 1
R9B6	E- 1
R9B7	E- 1
R9B8	E- 1
R9C0	E- 1
R9C1	E- 1
R9C2	C- 2
R9C3	E- 1
R9C4	D- 5
R9C5	D- 1
R9C9	C- 2
R9D1	D- 1
R9E2	D- 1
R9F0	E- 5
RJ10	A- 5
RJ12	A- 5
RJ13	A- 5
RJ14	C- 5
RJ15	C- 5
RJ22	B- 2
RJ23	C- 2
RJ24	C- 2
RJ26	B- 1
RJ32	D- 6
RJ33	D- 6
RJ34	D- 5
RJ35	C- 5
RJ36	D- 5
RJ37	B- 6
RJ38	D- 5
RJ39	E- 4
RJ4	B- 6
RJ40	C- 4
RJ41	E- 4
RJ44	D- 2
RJ45	D- 2
RJ46	E- 2
RJ47	E- 2
RJ48	E- 2
RJ50	E- 5
RJ53	E- 1
RJ6	A- 6
RJ63	E- 3
RJ64	E- 1
RJ65	E- 1
RJ66	E- 1
RJ67	C- 6
RJ68	B- 6
RJ69	B- 6
RJ7	B- 6
RJ70	C- 6
RJ71	E- 2
RJ72	C- 6
RJ73	B- 7
RJ74	C- 6

SYMBOL NO.	ADDRESS
RJ8	B- 6
RJ9	C- 6
RZ110	A- 6
RZ117	B- 3
RZ118	B- 3
RZ15	C- 7
RZ186	D- 7
RZ188	D- 7
RZ189	D- 7
RZ191	D- 6
RZ218	E- 6
RZ219	E- 6
RZ22	A- 6
RZ222	E- 6
RZ223	E- 6
RZ232	E- 5
RZ253	D- 4
RZ256	D- 4
RZ257	D- 4
RZ268	E- 4
RZ275	E- 4
RZ286	D- 4
RZ302	D- 4
RZ353	D- 2
RZ417	C- 5
RZ418	A- 4
RZ524	C- 7
RZ74	C- 5
RZ89	C- 5
RZ99	A- 4
S101	A- 6
S102	A- 6
S5A0	E- 7
S5A1	E- 7
S5A2	E- 1
S5A3	E- 6
S5A4	E- 6
S5A5	E- 1
S5A6	E- 2
S5A7	E- 3
S5A8	E- 2
S5A9	E- 1
S5B0	E- 1
S5B1	A- 5
SA901	A- 2
T3601	B- 6
T3602	B- 6
T901	C- 1
TP-2M	C- 5
TP-RESET	E- 7
TP01	B- 7
TP02	B- 7
TP11	C- 7
TP15	C- 7
TP16	C- 6
TP1S	C- 7

SYMBOL NO.	ADDRESS
TP1V	C- 7
TP2A	B- 6
TP2B	D- 6
TP2H	A- 6
TP2H	B- 6
TP2J	A- 7
TP2S	C- 5
TP3N	B- 6
TP3S	A- 5
TP3S	B- 6
TP3Y	A- 5
TP4C	B- 3
TP4C	B- 6
TP4C0	C- 2
TP4C1	B- 2
TP4C2	B- 2
TP4D1	B- 3
TP4D2	B- 3
TP4F1	B- 3
TP4G1	A- 2
TP4M	A- 3
TP4M1	B- 3
TP5A	B- 6
TP5A	D- 7
TP5B	B- 6
TP5B	D- 7
TP5C	D- 7
TP5C	E- 5
TP5C1	E- 3
TP5CS1	E- 4
TP5CS2	E- 4
TP5CU	C- 4
TP5D0	E- 4
TP5DI	D- 4
TP5ES	C- 7
TP5F	E- 2
TP5HS	C- 5
TP5LC	D- 4
TP5LS	E- 5
TP5LT	D- 3
TP5P0	D- 3
TP5P1	D- 3
TP5P2	D- 3
TP5R0	D- 4
TP5RI	E- 3
TP5RM	E- 2
TP5SK	E- 4
TP5SS	D- 3
TP5SSV	D- 5
TP5SU	E- 5
TP5T	E- 2
TP5TU	E- 3
TP5X	E- 2
TP5Y	E- 6
TP9Z	E- 1
TPGND	C- 6
TU01	A- 7
V5A0	E- 5

SYMBOL NO.	ADDRESS
VR4A0	A- 3
X2A0	D- 6
X4A0	A- 3
X571	E- 6
X5A0	D- 2
X5A1	D- 2
Z5A0	E- 3

PCB-MAIN（HS-761V(E)/V(GY)）


1
2
3
4
5
6
7
A
B
C
D
E
215A25901
MAIN
IC201
IC2A0
IC2V0
IC571
IC551
IC4A0
IC4A1
IC4A2
IC9A2
IC5A1
IC5A2
IC2A1
SAT-CONT
RESET
SYSTEM-SW
CONV-SW
FF/PLAY
PLAY
O.K.PROG
REW
REC/PAUSE
CH-U/REC
CH-D/O.K.PROG
AUTO SET UP
POWER-SAVE
EJECT
POWER
F901
T2A
AC250V

PCB-MAIN（HS-761V(E)/V(GY)）

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS	SYMBO NO.
BB	A- 1	C2D2	D- 6	C301
		C2D3	D- 6	C301
C101	B- 7	C2D4	D- 6	C301
C102	C- 7	C2D5	C- 6	C301
C103	C- 7	C2E0	E- 6	C301
C104	C- 6	C2E1	E- 6	C302
C1A0	B- 7	C2E2	E- 6	C302
C1B1	B- 7	C2E3	E- 6	C302
C1B2	B- 7	C2E4	D- 6	C302
C1C1	C- 7	C2E5	E- 5	C302
C201	B- 5	C2E6	E- 5	C302
C202	A- 5	C2E7	E- 5	C302
C203	B- 5	C2E8	D- 5	C302
C204	B- 5	C2E9	D- 5	C302
C205	B- 5	C2F0	D- 5	C302
C206	A- 5	C2F1	D- 5	C302
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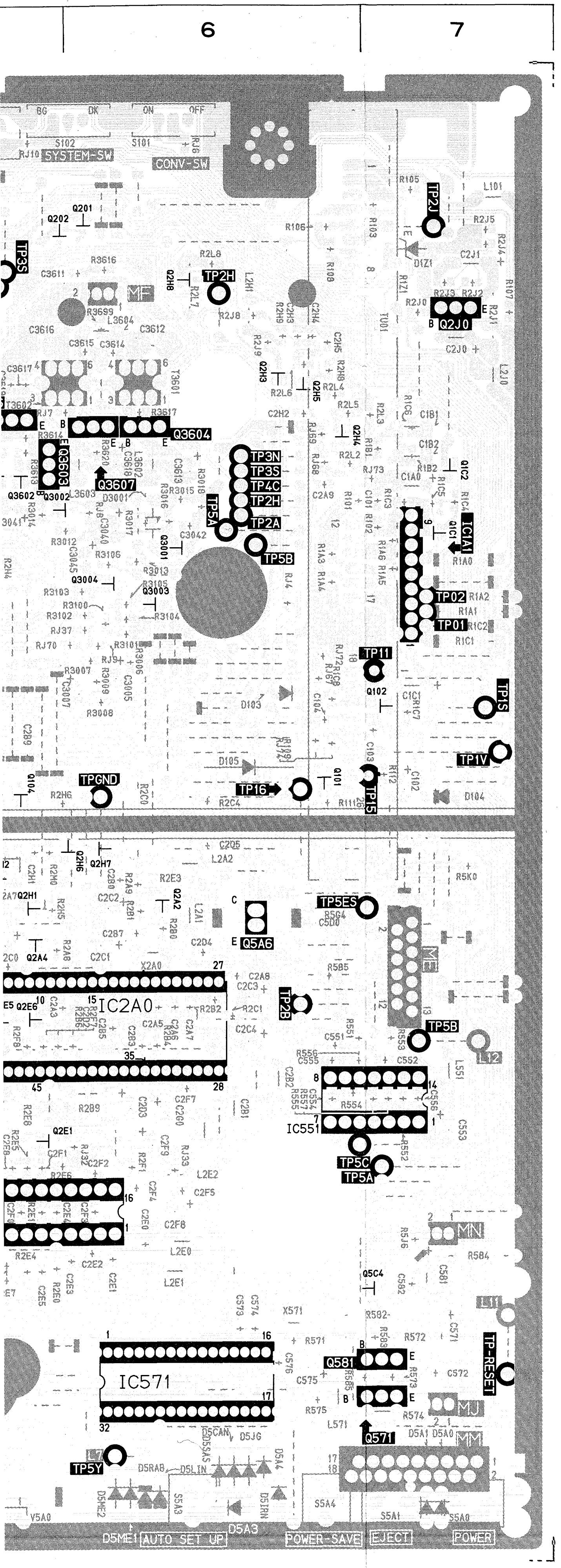

PCB-MAIN（HS-761V(E)/V(GY)）

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IC301	B- 4
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IC5A4	D- 4
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L9A2	D- 1
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ADDRESS
B- 3
B- 3
B- 3
B- 2
C- 3
A- 2
C- 2
C- 2
B- 2
B- 2
B- 2
B- 3
B- 2
B- 2
B- 3
B- 2
B- 2
B- 2
B- 3
B- 3
B- 3
B- 3
B- 3
A- 3
B- 3
B- 3
A- 2
B- 2
B- 2
B- 3
A- 3
B- 2
B- 2
B- 2
B- 2
C- 2
A- 3
A- 3
A- 2
A- 3
D- 6
D- 7
D- 7
D- 6
D- 6
D- 7
E- 7
E- 7
E- 6
E- 6
E- 6
E- 6
E- 7
E- 7
E- 2
E- 2
E- 2
E- 3
E- 2
E- 3

SYMBOL NO.	ADDRESS
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
C5B6	D- 2
C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	B- 1
C908	B- 1
C909	A- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C916	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
C9A8	D- 1
C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3
D4A1	E- 2

SYMBOL NO.	ADDRESS
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	B- 1
D903	B- 1
D904	B- 1
D905	B- 1
D906	B- 1
D907	B- 1
D908	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
D9B0	E- 1
D9B1	E- 1
D9B2	C- 1
D9B3	D- 5
D9B4	D- 5
D9B5	E- 1
FC11	A- 2
FC12	A- 2
F901	A- 2
IC1A1	B- 7

SYMBOL NO.	ADDRESS
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC901	B- 1
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1

SYMBOL NO.	ADDRESS
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
PC902	B- 2
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5

SYMBOL NO.	ADDRESS
Q3001	B- 6
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9B0	E- 1
Q9B1	E- 1
Q9B2	D- 1
Q9B3	D- 1
Q9B7	B- 2
Q9F0	E- 5
Q9F1	D- 5
Q9F2	E- 1
Q9F3	E- 1
Q9F4	D- 1
Q9F5	D- 1
Q9F6	D- 1
Q9F7	E- 1

SYMBOL NO.	ADDRESS
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
R201	B- 5
R202	B- 5
R203	B- 5
R205	B- 5
R206	B- 5
R207	B- 5
R208	B- 5
R209	B- 5
R210	B- 5
R216	B- 5
R217	B- 5
R218	A- 5
R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
R2A1	D- 5
R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6

SYMBOL NO.	ADDRESS
R2B3	E- 5
R2B4	D- 6
R2B5	D- 5
R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4

SYMBOL NO.	ADDRESS
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6

SYMBOL NO.	ADDRESS
R3105	B- 6
R3106	B- 6
R311	A- 4
R312	A- 4
R313	B- 4
R314	B- 5
R3601	B- 4
R3602	B- 4
R3603	B- 4
R3604	B- 4
R3605	B- 4
R3606	B- 4
R3607	B- 4
R3608	B- 4
R3609	B- 4
R3610	B- 4
R3611	B- 4
R3612	B- 4
R3613	B- 5
R3614	B- 5
R3615	B- 4
R3616	A- 6
R3617	B- 6
R3618	B- 5
R3619	B- 5
R3620	B- 6
R3621	B- 3
R3622	B- 3
R3623	B- 3
R3699	A- 6
R4A0	C- 2
R4A1	C- 2
R4A2	B- 2
R4A3	C- 2
R4A4	C- 2
R4A5	E- 2
R4A6	C- 3
R4A7	C- 2
R4A8	C- 2
R4A9	C- 3
R4B0	C- 3
R4B1	C- 2
R4B2	C- 2
R4B3	C- 2
R4B4	C- 3
R4B5	C- 2
R4B6	C- 2
R4B7	B- 2
R4B8	B- 2
R4B9	B- 2
R4C0	B- 2
R4C1	A- 2
R4C2	A- 2
R4C3	C- 3
R4C4	A- 2
R4C5	A- 2
R4C6	B- 3
R4C7	B- 2
R4C8	B- 2
R4C9	B- 2

SYMBOL NO.	ADDRESS
R4D0	B- 2
R4D1	B- 2
R4D2	B- 3
R4D3	B- 3
R4D4	B- 3
R4D5	B- 3
R4D6	A- 3
R4D8	A- 3
R4D9	A- 3
R4E0	A- 3
R4E1	B- 2
R4E2	C- 2
R4E3	C- 2
R4F0	C- 3
R4F1	B- 3
R4F2	E- 2
R4S1	A- 3
R4S5	A- 2
R4S6	A- 2
R4S7	A- 2
R4S9	A- 3
R551	D- 7
R552	D- 7
R553	D- 7
R554	D- 7
R555	D- 7
R556	D- 7
R557	D- 7
R571	E- 6
R572	E- 7
R573	E- 7
R574	E- 7
R575	E- 6
R582	E- 7
R583	E- 7
R584	E- 7
R585	E- 7
R5A0	E- 3
R5A1	E- 5
R5A2	D- 3
R5A3	E- 5
R5A5	E- 5
R5A8	E- 1
R5A9	E- 1
R5B0	E- 1
R5B1	E- 2
R5B2	E- 2
R5B3	E- 2
R5B4	D- 4
R5B5	D- 6
R5B6	D- 2
R5B7	D- 2
R5B8	D- 3
R5B9	D- 2
R5C0	D- 2
R5C1	E- 1
R5C2	E- 4
R5C3	E- 4
R5C4	E- 4
R5C5	E- 4

SYMBOL NO.	ADDRESS
R5C6	E- 4
R5C7	E- 4
R5D3	D- 4
R5D4	E- 2
R5D5	E- 2
R5D6	E- 2
R5D7	E- 2
R5D8	D- 3
R5D9	D- 3
R5E0	D- 4
R5E1	D- 5
R5E2	D- 5
R5E3	D- 2
R5E4	D- 2
R5E5	D- 2
R5E6	E- 2
R5E7	E- 2
R5E8	E- 2
R5E9	E- 2
R5F0	D- 4
R5F4	E- 4
R5F7	E- 4
R5F8	E- 4
R5F9	D- 4
R5G0	D- 2
R5G1	E- 5
R5G2	E- 3
R5G3	E- 3
R5G4	C- 7
R5G5	D- 3
R5G6	D- 3
R5G7	D- 3
R5G8	D- 3
R5G9	E- 2
R5H0	E- 2
R5H1	D- 2
R5H3	E- 2
R5H4	E- 1
R5H5	E- 1
R5H6	E- 1
R5H7	E- 5
R5H8	E- 4
R5H9	E- 4
R5J1	D- 3
R5J2	E- 4
R5J3	B- 5
R5J4	C- 5
R5J5	D- 2
R5J6	E- 7
R5J7	D- 4
R5J8	D- 4
R5K0	C- 7
R901	B- 1
R902	A- 2
R906	B- 1
R907	B- 1
R908	B- 1
R910	A- 1
R911	B- 1
R912	B- 1

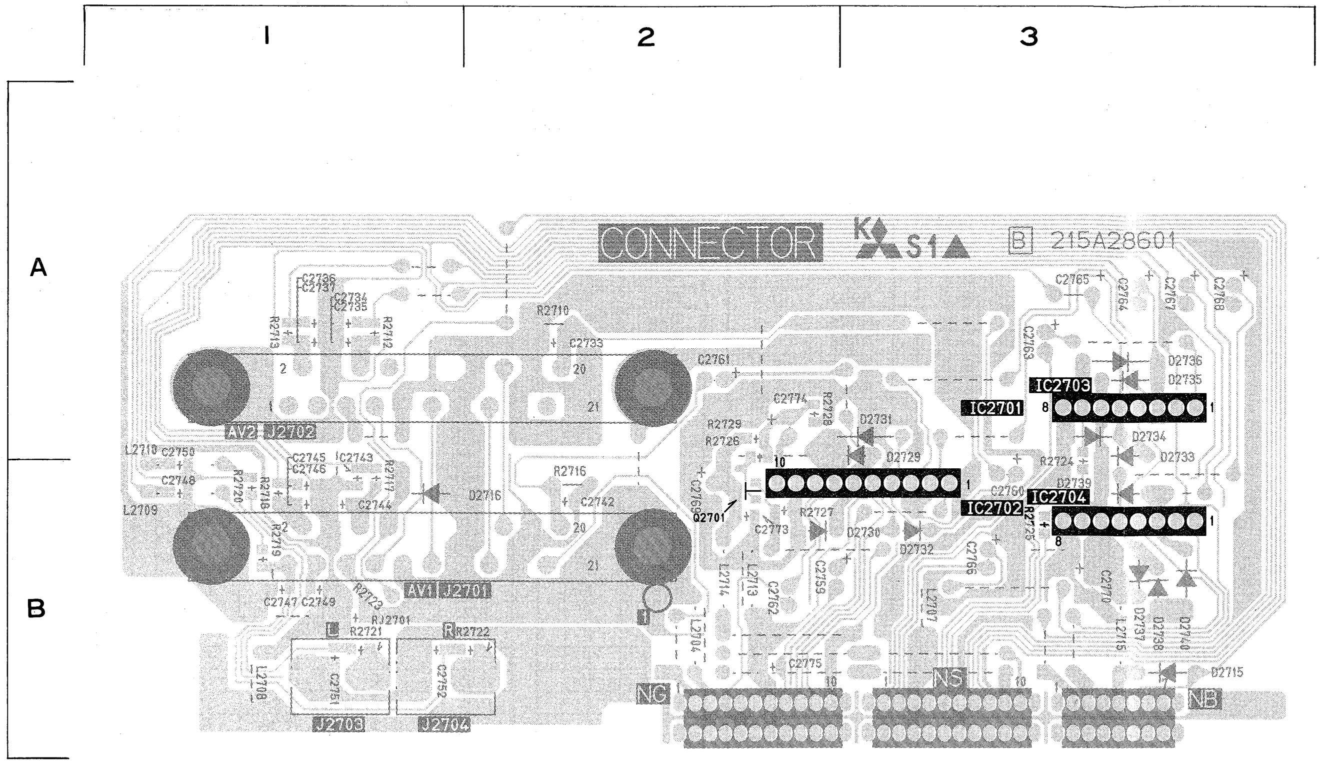
SYMBOL NO.	ADDRESS
R913	B- 2
R914	B- 1
R915	B- 1
R916	B- 1
R9A1	C- 2
R9A2	C- 1
R9A3	C- 2
R9A5	D- 1
R9A6	D- 1
R9A7	D- 1
R9A8	D- 1
R9A9	D- 1
R9B1	D- 1
R9B2	E- 1
R9B3	D- 1
R9B4	E- 1
R9B5	E- 1
R9B6	E- 1
R9B7	E- 1
R9B8	E- 1
R9C0	E- 1
R9C1	E- 1
R9C2	C- 2
R9C3	E- 1
R9C4	D- 5
R9C5	D- 1
R9C9	C- 2
R9D1	D- 1
R9E1	D- 1
R9E2	D- 1
R9E3	D- 1
R9E4	D- 1
R9E5	E- 1
R9E6	E- 1
R9E7	D- 1
R9E8	B- 2
R9E9	C- 1
R9F0	E- 5
R9F1	E- 1
R9F2	E- 1
RJ10	A- 5
RJ12	A- 5
RJ13	A- 5
RJ14	C- 5
RJ15	C- 5
RJ22	B- 2
RJ23	C- 2
RJ24	C- 2
RJ32	D- 6
RJ33	D- 6
RJ34	D- 5
RJ35	C- 5
RJ36	D- 5
RJ37	B- 6
RJ38	D- 5
RJ39	E- 4
RJ4	B- 6
RJ40	C- 4
RJ41	E- 4
RJ44	D- 2

SYMBOL NO.	ADDRESS
RJ45	D- 2
RJ46	E- 2
RJ47	E- 2
RJ48	E- 2
RJ50	E- 5
RJ53	E- 1
RJ6	A- 6
RJ63	E- 3
RJ64	E- 1
RJ65	E- 1
RJ66	E- 1
RJ67	C- 6
RJ68	B- 6
RJ69	B- 6
RJ7	B- 6
RJ70	C- 6
RJ71	E- 2
RJ72	C- 6
RJ73	B- 7
RJ74	C- 6
RJ8	B- 6
RJ9	C- 6
RZ117	B- 3
RZ118	B- 3
RZ15	C- 7
RZ186	D- 7
RZ188	D- 7
RZ189	D- 7
RZ191	D- 6
RZ218	E- 6
RZ219	E- 6
RZ22	A- 6
RZ222	E- 6
RZ223	E- 6
RZ232	E- 5
RZ253	D- 4
RZ256	D- 4
RZ257	D- 4
RZ268	E- 4
RZ275	E- 4
RZ286	D- 4
RZ302	D- 4
RZ353	D- 2
RZ417	C- 5
RZ418	A- 4
RZ524	C- 7
RZ74	C- 5
RZ89	C- 5
RZ99	A- 4
S101	A- 6
S102	A- 6
S5A0	E- 7
S5A1	E- 7
S5A2	E- 1
S5A3	E- 6
S5A4	E- 6
S5A5	E- 1
S5A6	E- 2
S5A7	E- 3

SYMBOL NO.	ADDRESS
S5A8	E- 2
S5A9	E- 1
S5B0	E- 1
S5B1	A- 5
SA901	A- 2
T3601	B- 6
T3602	B- 6
T901	C- 1
TP-2M	C- 5
TP-RESET	E- 7
TP01	B- 7
TP02	B- 7
TP11	C- 7
TP15	C- 7
TP16	C- 6
TP1S	C- 7
TP1V	C- 7
TP2A	B- 6
TP2B	D- 6
TP2H	A- 6
TP2H	B- 6
TP2J	A- 7
TP2S	C- 5
TP3N	B- 6
TP3S	A- 5
TP3S	B- 6
TP3Y	A- 5
TP4C	B- 3
TP4C	B- 6
TP4C0	C- 2
TP4C1	B- 2
TP4C2	B- 2
TP4D1	B- 3
TP4D2	B- 3
TP4F1	B- 3
TP4G1	A- 2
TP4M	A- 3
TP4M1	B- 3
TP5A	B- 6
TP5A	D- 7
TP5B	B- 6
TP5B	D- 7
TP5C	D- 7
TP5C	E- 5
TP5C1	E- 3
TP5CS1	E- 4
TP5CS2	E- 4
TP5CU	C- 4
TP5D0	E- 4
TP5DI	D- 4
TP5ES	C- 7
TP5F	E- 2
TP5HS	C- 5
TP5LC	D- 4
TP5LS	E- 5
TP5LT	D- 3
TP5P0	D- 3
TP5P1	D- 3

SYMBOL NO.	ADDRESS
TP5P2	D- 3
TP5R0	D- 4
TP5RI	E- 3
TP5RM	E- 2
TP5SK	E- 4
TP5SS	D- 3
TP5SSV	D- 5
TP5SU	E- 5
TP5T	E- 2
TP5TU	E- 3
TP5X	E- 2
TP5Y	E- 6
TP9Z	E- 1
TPGND	C- 6
TU01	A- 7
V5A0	E- 5
VR4A0	A- 3
X2A0	D- 6
X4A0	A- 3
X571	E- 6
X5A0	D- 2
X5A1	D- 2
Z5A0	E- 3

PCB–CONNECTOR（HS–761V(B)/V(IR)）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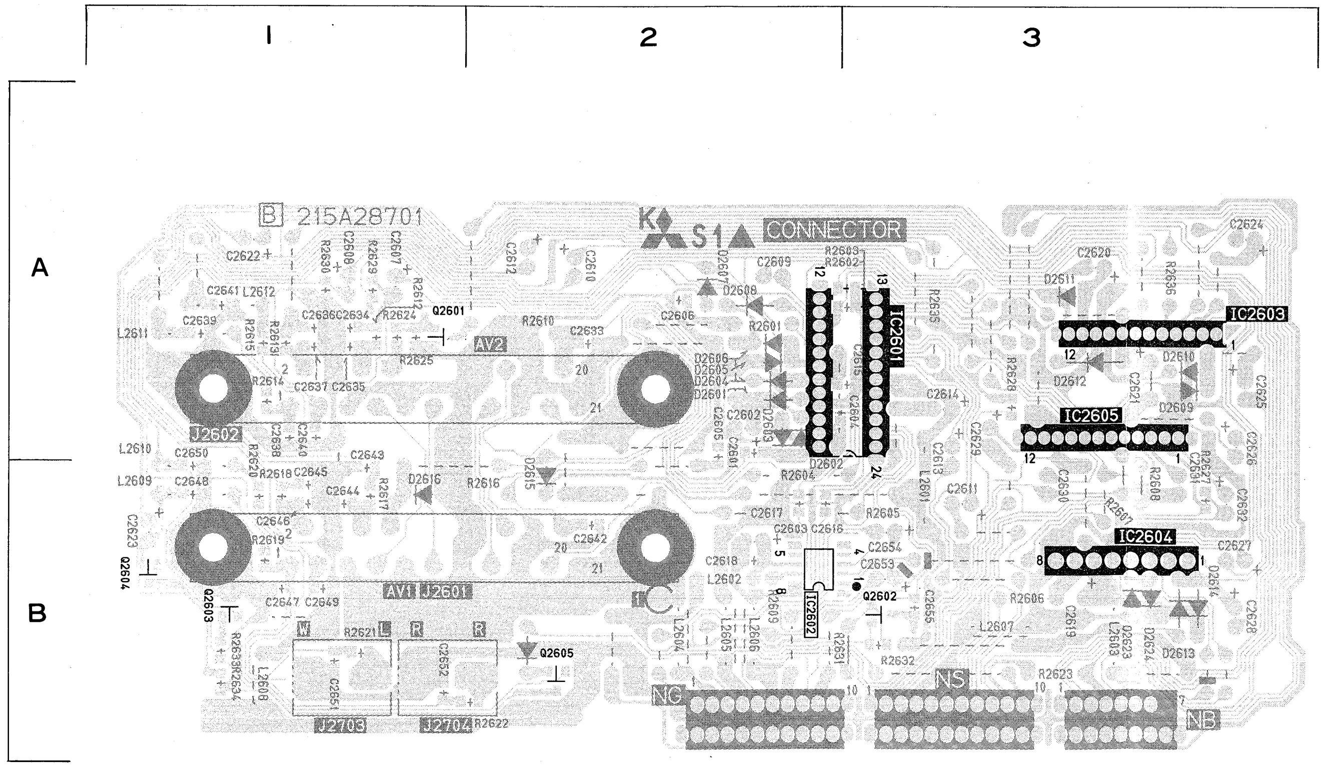
2
3
A
B
CONNECTOR
S1
215A28601
AV2 J2702
AV1 J2701
J2703
J2704
IC2701
IC2702
IC2703
IC2704
Q2701
NG
NS
NB
RJ2701
L2709
L2710
D2715
D2716

PCB–CONNECTOR（HS–761V(B)/V(IR)）

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS
C2733	A- 2	C2775	B- 2	L2709	B- 1
C2734	A- 1			L2710	B- 1
C2735	A- 1	D2715	B- 3	L2713	B- 2
C2736	A- 1	D2716	B- 1	L2714	B- 2
C2737	A- 1	D2729	B- 3	L2715	B- 3
C2742	B- 2	D2730	B- 3		
C2743	B- 1	D2731	A- 3	NB	B- 3
C2744	B- 1	D2732	B- 3	NG	B- 2
C2745	B- 1	D2733	B- 3	NS	B- 3
C2746	B- 1	D2734	A- 3		
C2747	B- 1	D2735	A- 3	Q2701	B- 2
C2748	B- 1	D2736	A- 3		
C2749	B- 1	D2737	B- 3	R2710	A- 2
C2750	B- 1	D2738	B- 3	R2712	A- 1
C2751	B- 1	D2739	B- 3	R2713	A- 1
C2752	B- 1	D2740	B- 3	R2716	B- 2
C2759	B- 3			R2717	B- 1
C2760	B- 3	IC2701	A- 3	R2718	B- 1
C2761	A- 2	IC2702	B- 3	R2719	B- 1
C2762	B- 2	IC2703	A- 3	R2720	B- 1
C2763	A- 3	IC2704	B- 3	R2721	B- 1
C2764	A- 3			R2722	B- 2
C2765	A- 3	J2701	B- 1	R2723	B- 1
C2766	B- 3	J2702	A- 1	R2724	B- 3
C2767	A- 3	J2703	B- 1	R2725	B- 3
C2768	A- 3	J2704	B- 2	R2726	B- 2
C2769	B- 2			R2727	B- 2
C2770	B- 3	L2704	B- 2	R2728	A- 2
C2773	A- 2	L2707	B- 3	R2729	B- 2
C2774	A- 2	L2708	B- 1	RJ2701	B- 1

PCB–CONNECTOR（HS–761V(E)/V(GY)）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2
3
A
B
215A28701
S1
CONNECTOR
AV2
J2602
AV1 J2601
J2703
J2704
IC2601
IC2602
IC2603
IC2604
IC2605
Q2601
Q2602
Q2603
Q2604
Q2605
NG
NS
NB

PCB–CONNECTOR（HS–761V(E)/V(GY)）

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS
C2601	B- 2	C2631	B- 3	D2605	A- 2	L2604	B- 2	R2612	A- 1
C2602	A- 2	C2632	B- 4	D2606	A- 2	L2605	B- 2	R2613	A- 1
C2603	B- 2	C2633	A- 2	D2607	A- 2	L2606	B- 2	R2614	A- 1
C2604	A- 3	C2634	A- 1	D2608	A- 2	L2607	B- 3	R2615	A- 1
C2605	B- 2	C2635	A- 1	D2609	A- 4	L2608	B- 1	R2616	B- 2
C2606	A- 2	C2636	A- 1	D2610	A- 3	L2609	B- 1	R2617	B- 1
C2607	A- 1	C2637	A- 1	D2611	A- 3	L2610	B- 1	R2618	B- 1
C2608	A- 1	C2638	B- 1	D2612	A- 3	L2611	A- 1	R2619	B- 1
C2609	A- 2	C2639	A- 1	D2613	B- 3	L2612	A- 1	R2620	B- 1
C2610	A- 2	C2640	B- 1	D2614	B- 3			R2621	B- 1
C2611	B- 3	C2641	A- 1	D2615	B- 2	NB	B- 3	R2622	B- 2
C2612	A- 2	C2642	B- 2	D2616	B- 1	NG	B- 2	R2623	B- 3
C2613	B- 3	C2643	B- 1	D2623	B- 3	NS	B- 3	R2624	A- 1
C2614	A- 3	C2644	B- 1	D2624	B- 3			R2625	A- 1
C2615	A- 3	C2645	B- 1	D2625	B- 2	Q2601	A- 2	R2627	B- 4
C2616	B- 3	C2646	B- 1			Q2602	B- 3	R2628	A- 3
C2617	B- 2	C2647	B- 1	IC2601	B- 2	Q2603	B- 1	R2629	A- 1
C2618	B- 2	C2648	B- 1	IC2602	B- 3	Q2604	B- 1	R2630	A- 1
C2619	B- 3	C2649	B- 1	IC2603	A- 4	Q2605	B- 2	R2631	B- 3
C2620	A- 3	C2650	B- 1	IC2604	B- 3			R2632	B- 3
C2621	A- 3	C2651	B- 1	IC2605	A- 3	R2601	A- 2	R2633	B- 1
C2622	A- 1	C2652	B- 2			R2602	A- 3	R2634	B- 1
C2623	B- 1	C2653	B- 3	J2601	B- 1	R2603	A- 3	R2635	A- 3
C2624	A- 4	C2654	B- 3	J2602	A- 1	R2604	B- 3	R2636	A- 3
C2625	A- 4	C2655	B- 3	J2703	B- 1	R2605	B- 3		
C2626	A- 4			J2704	B- 2	R2606	B- 3		
C2627	B- 4	D2601	A- 2			R2607	B- 3		
C2628	B- 4	D2602	A- 2	L2601	B- 3	R2608	B- 3		
C2629	A- 3	D2603	B- 2	L2602	B- 2	R2609	B- 2		
C2630	B- 3	D2604	A- 2	L2603	B- 3	R2610	A- 2		

ADDRESS
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B- 2
B- 2
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B- 1

ADDRESS
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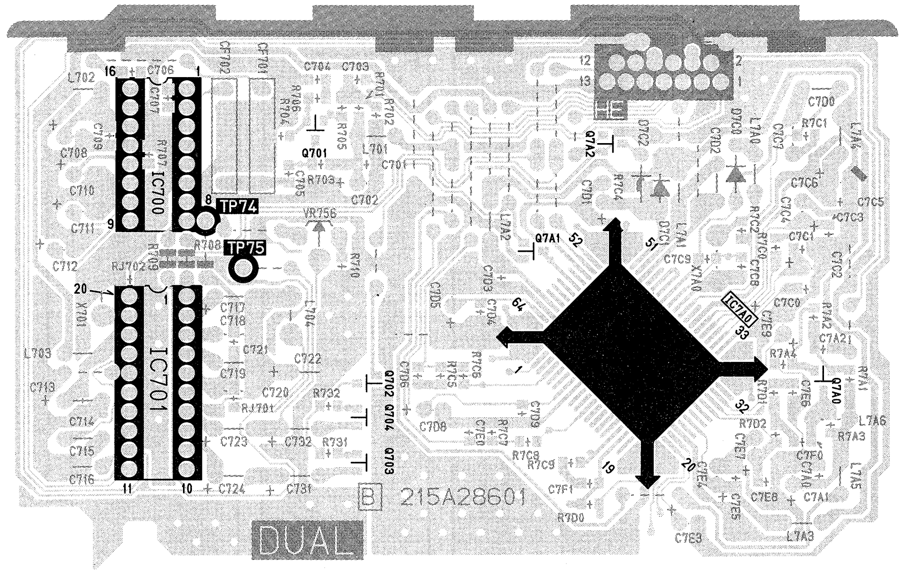
A- 1
B- 1
B- 2
B- 3
B- 2
B- 3

SYMBOL NO.	ADDRESS
L2604	B- 2
L2605	B- 2
L2606	B- 2
L2607	B- 3
L2608	B- 1
L2609	B- 1
L2610	B- 1
L2611	A- 1
L2612	A- 1
NB	B- 3
NG	B- 2
NS	B- 3
Q2601	A- 2
Q2602	B- 3
Q2603	B- 1
Q2604	B- 1
Q2605	B- 2
R2601	A- 2
R2602	A- 3
R2603	A- 3
R2604	B- 3
R2605	B- 3
R2606	B- 3
R2607	B- 3
R2608	B- 3
R2609	B- 2
R2610	A- 2

SYMBOL NO.	ADDRESS
R2612	A- 1
R2613	A- 1
R2614	A- 1
R2615	A- 1
R2616	B- 2
R2617	B- 1
R2618	B- 1
R2619	B- 1
R2620	B- 1
R2621	B- 1
R2622	B- 2
R2623	B- 3
R2624	A- 1
R2625	A- 1
R2627	B- 4
R2628	A- 3
R2629	A- 1
R2630	A- 1
R2631	B- 3
R2632	B- 3
R2633	B- 1
R2634	B- 1
R2635	A- 3
R2636	A- 3

PCB-DUAL（HS-761V(B)/V(IR)）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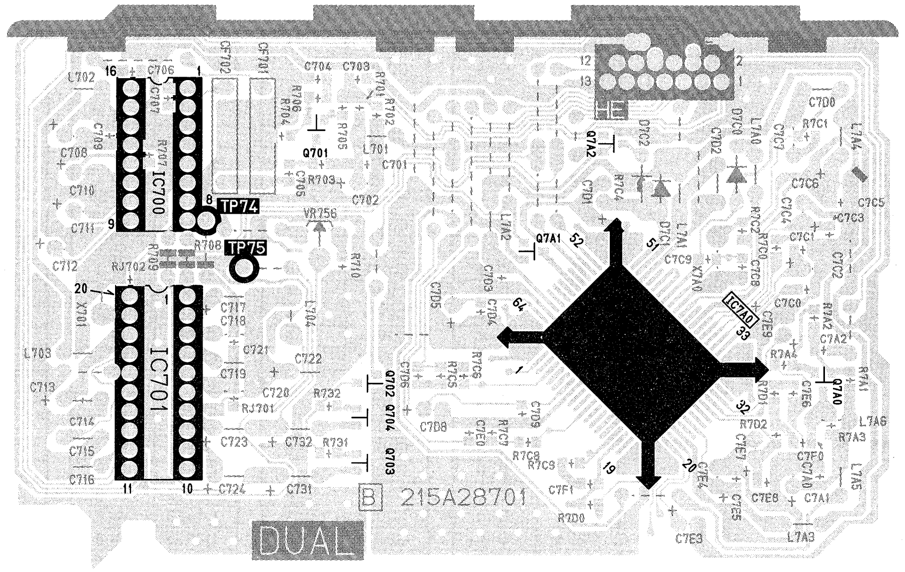
Q701
Q7A0
Q7A1
Q7A2
215A28601
DUAL

PCB-DUAL（HS-761V(E)/V(GY)）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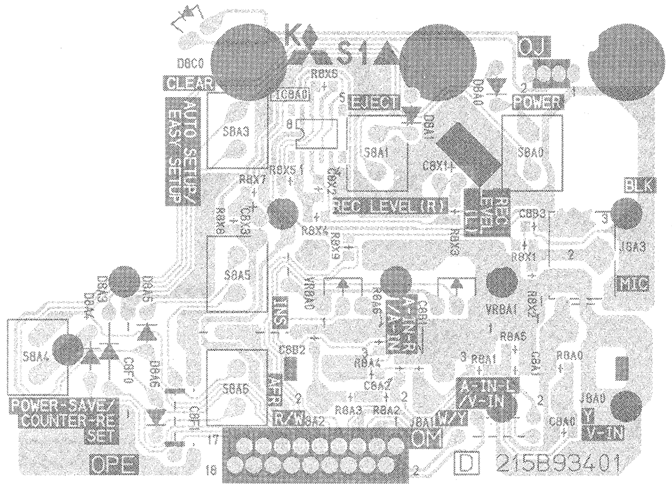
Q701
Q7A0
Q7A1
Q7A2
215A28701
DUAL

PCB-OPE（COMMON）


K
S1
OJ
CLEAR
AUTO SETUP/EASY SETUP
EJECT
POWER
REC LEVEL(R)
BLK
MIC
INS
AFR
A-IN-R/V-IN
A-IN-L/V-IN
V-IN
POWER-SAVE/COUNTER-RE SET
OPE
215B93401

ADDRESS
B- 1
B- 1
B- 2
B- 2
B- 3
B- 3
B- 2
B- 3
B- 2
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ADDRESS
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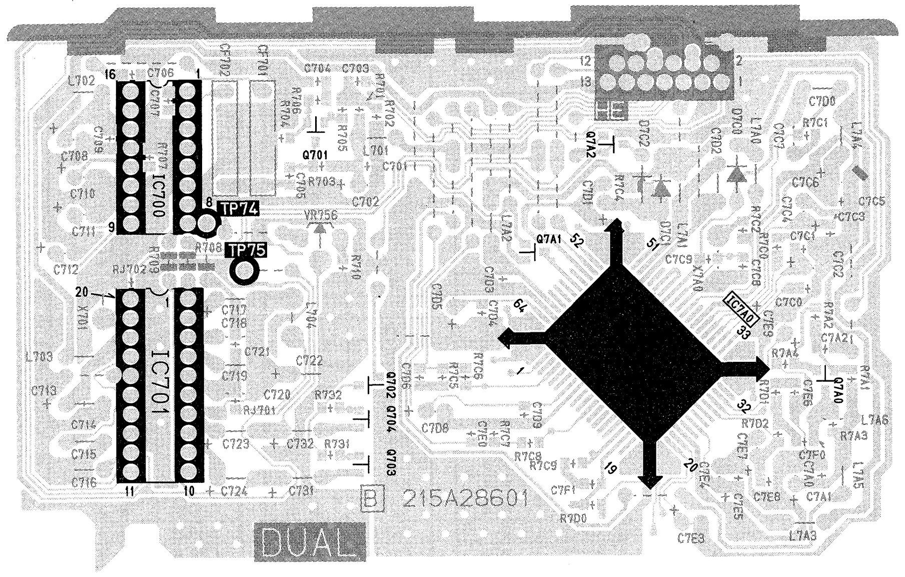
A- 1
B- 1
B- 2
B- 3
B- 2
B- 3

SYMBOL NO.	ADDRESS
L2604	B- 2
L2605	B- 2
L2606	B- 2
L2607	B- 3
L2608	B- 1
L2609	B- 1
L2610	B- 1
L2611	A- 1
L2612	A- 1
NB	B- 3
NG	B- 2
NS	B- 3
Q2601	A- 2
Q2602	B- 3
Q2603	B- 1
Q2604	B- 1
Q2605	B- 2
R2601	A- 2
R2602	A- 3
R2603	A- 3
R2604	B- 3
R2605	B- 3
R2606	B- 3
R2607	B- 3
R2608	B- 3
R2609	B- 2
R2610	A- 2

SYMBOL NO.	ADDRESS
R2612	A- 1
R2613	A- 1
R2614	A- 1
R2615	A- 1
R2616	B- 2
R2617	B- 1
R2618	B- 1
R2619	B- 1
R2620	B- 1
R2621	B- 1
R2622	B- 2
R2623	B- 3
R2624	A- 1
R2625	A- 1
R2627	B- 4
R2628	A- 3
R2629	A- 1
R2630	A- 1
R2631	B- 3
R2632	B- 3
R2633	B- 1
R2634	B- 1
R2635	A- 3
R2636	A- 3

PCB-DUAL（HS-761V(B)/V(IR)）


IC700
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TP75
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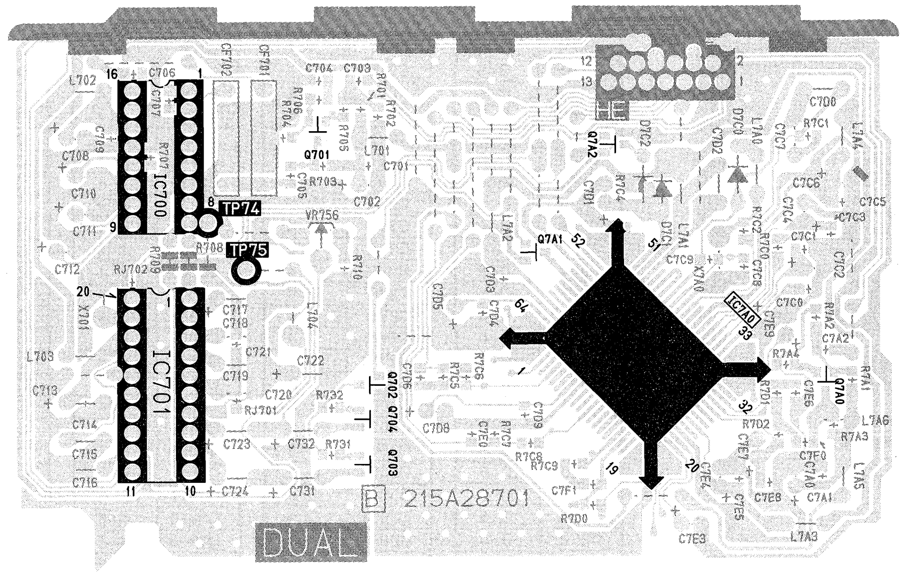
Q7A1
Q7A2
VR756
B
215A28601
DUAL

PCB-DUAL（HS-761V(E)/V(GY)）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IC7A0
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TP75
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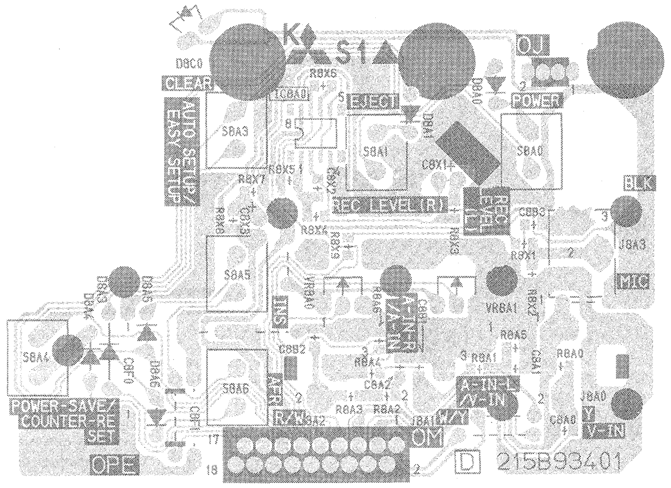
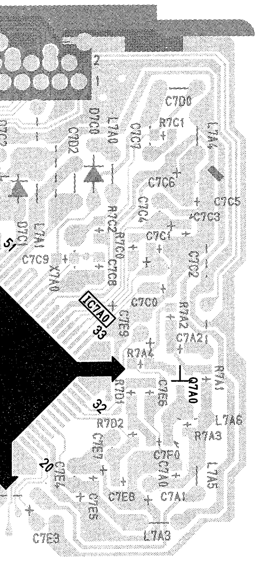
B
215A28701
DUAL

PCB-OPE（COMMON）


CLEAR
AUTO SETUP/EASY SETUP
EJECT
POWER
REC LEVEL(R)
BLK
MIC
POWER-SAVE/COUNTER-RE SET
OPE
D
215B93401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R7C1
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D7C0
L7A0
C7D2
C7C7
C7C6
C7C5
C7C3
C7C4
R7C2
R7C0
C7C1
L7A1
D7C1
C7C9
X7A0
C7C8
C7C2
IC7A0
C7C0
R7A2
C7E9
C7A2
R7A4
R7A1
Q7A0
C7E6
R7D1
L7A6
R7D2
R7A3
C7E7
C7F0
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C7E3
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32
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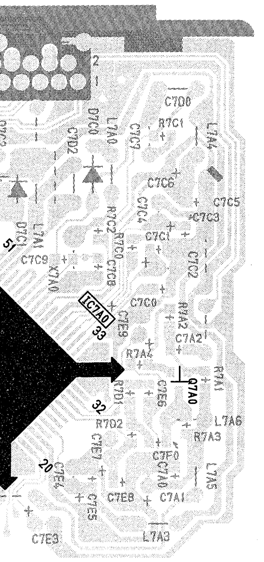
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R7C1
L7A4
D7C0
L7A0
C7D2
C7C6
C7C5
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R7C2
C7C1
L7A1
C7C9
X7A0
C7C8
C7C2
IC7A0
C7C0
R7A2
C7A2
R7A4
R7A1
Q7A0
C7E6
L7A6
R7D2
R7A3
C7F0
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L7A3
51
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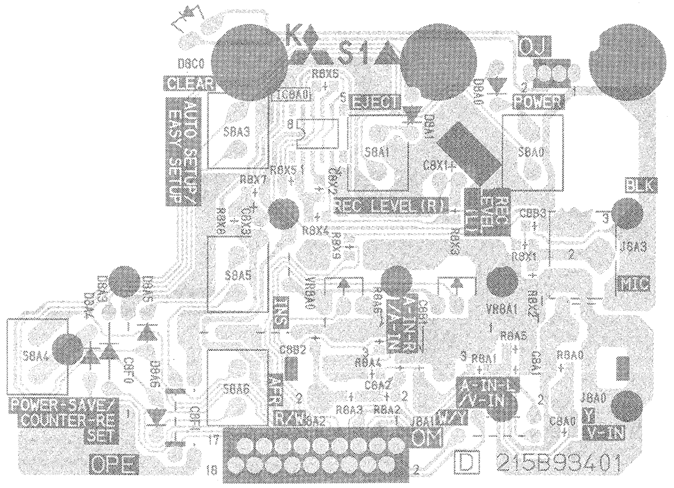
PCB-OPE (COMMON)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QJ
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AUTO SETUP/EASY SETUP
IC8A0
R8X5
EJECT
D8A0
POWER
S8A3
S8A1
S8A0
C8X1
R8X7
R8X5
REC LEVEL (R)
BLK
C8B3
J8A3
MIC
S8A5
R8X4
R8X9
VR8A0
VR8A1
INS
A-IN-R/A-IN
S8A4
D8A3
D8A4
D8A5
C8F0
D8A6
S8A6
C8B2
R8A4
C8A2
R8A3
R8A2
R8A1
R8A0
AFR
A-IN-L/V-IN
J8A0
Y
V-IN
W/Y
OM
POWER-SAVE/COUNTER-RESET
OPE
17
18
2
215B93401